



# CHARACTERISTICS AND ACHIEVEMENTS OF TOP PERFORMING STUDENTS OF GUILIN INSTITUTE OF AEROSPACE TECHNOLOGY: AN ANALYSIS

**LIANG GUOFU**

Guilin Institute of Aerospace Technology  
Professor

## Abstract

This qualitative study investigated the lives of these, high-achieving students. It examined their experiences, characteristics, and behaviors. In this context, this illustrious study conceptualized. It is time to place the lives of high-achieving adolescents at the center of attention. The researcher strives to study the participants' real experiences through the lens of their narratives, disclosing and uncovering at every step. This study initiated a worthy effort to persuade policymakers to develop a support system for performing students.

## Introduction

Academic performance of students is a key feature in education. It is the center around which the whole education system revolves. Deng (2021) opined that the academic performance of students determines the success or failure of any academic institution. Yang (2016) also argued that academic performance of students has a direct impact on the socio-economic development of a country.

In China, there are many top performing college students and their experiences and outcomes are quite worrisome (Ministry of Education, 2015). Although a large body of research indicates that top performing students face a variety of obstacles in school, including inferiority complex (Li, 2018), maladjustment to study (Wang, 2018), inadequate financial aid programs (Li, 2020), dropping out or disruptions in their studies are uncommon. Since Chinese society places great importance on education, students and parents who enroll in college make every effort to get a degree despite economic problems (Zhu, 2019).

This study defines high-achieving students as those who score in the top 25 percent on nationally normed standardized exams (Chen, Shuaizhang, 2016). This study documents the experiences of high-achieving pupils. There are millions of high-achieving children in China's urban, suburban, and rural communities; they mirror the racial, ethnic, and gender composition of the nation's schools; they drop out of high school at astonishingly low rates, and more than 90 percent of them enroll in college (Cheng-rong, 2019).

This study explored the characteristics, challenges and coping strategies of top performing students in their academic life.

## Methods

This study utilized the qualitative method of analysis, primarily descriptive case study. In academic research, descriptive case study is commonly used to investigate and narrate a persons' living experiences. It is an overview of fact-finding with an adequate review of the study. It deals with circumstances, actions, beliefs, feelings, and processes. The study attempted to look into the lives of the top performing students.

The study was conducted at Guilin University of Aerospace Technology (GUAT). This is a public university

in Guilin, Guangxi, China. GUAT offers Bachelor's degrees and higher education diplomas in engineering and technology, as well as management, business and arts. GUAT was founded in 1979 and run by the former Aerospace Ministry of China, and has over 10,000 students.

The participants of the study were the fifteen (15) selected top performing students of Guilin University of Aerospace Technology (GUAT).

The study included the following inclusion criteria in determining the participants in this study: (1) Top-performing based on the general average, (2) economically-challenged, (3) Full-time student, and (4) Top-performing students every semester.

## Results and Discussions

### Case 1 - Guo Yonghang

The participant was born in 2001 and is currently 21 years old. He was enrolled at the University in September 2020 and is currently enrolled in his third year studying mechanical design, manufacturing, and automation.

His story is similar to many found in television shows, but it is real as the reality reflected in his smile and the texture of his callused palms. He is the second of his family's eight children. The respondent's parents have recently completed elementary school, and his father has a primary Chinese level. However, after 16 years, his father was permanently paraplegic due to a sudden cerebral hemorrhage caused by excessive blood pressure. Currently, he cannot work; his mother is employed in the textile sector; the working environment is poor; job security is low, and the family's average monthly income is approximately 2,000 yuan.

The candidate has a calm attitude, enjoys helping others, is willing to challenge himself, is self-disciplined, and possesses a strong sense of responsibility and initiative. He also participates in extracurricular activities such as running and social practice. He also joined many student organizations, including the Faculty Student Council and the Faculty Student Affairs Service Center.

He also got several Academic Accomplishments. For example, he is currently ranked #1 in his class and the University's first- and second-year majors. In 2021, he was awarded the Guangxi Provincial People's Government Scholarship, First Class Scholarship for Outstanding School Learning, and Outstanding Student of the School. He also won second prize in the China "Challenge Cup" Guangxi Provincial Division, the Chinese "Internet +" Guangxi Provincial Division bronze medal, and other professional awards.

When asked about the difficulties he encountered during his studies, he stated that the classroom learning efficiency is low, the class cannot keep up with the teacher's lecture ideas, and the class exercise is always the last one to complete the task; he is also uninterested in professional content and somewhat weary of taking professional courses.

He viewed appropriate internet training videos to prepare for class and increase the effectiveness of his classroom learning.

After doing so, the classroom teacher will no longer feel unfamiliarity and confusion regarding his new professional knowledge. He will have more time to keep up with the teacher's instructional logic and consider professional matters. In addition, he arranges his after-class time rationally, uses more time to examine the acquired professional information, and simultaneously learns more about the topics he does not comprehend and summarizes more.

When asked how he was able to sustain strong academic performance to become the highest-performing student, he stated that he has not yet fulfilled his aim of striving to become the greatest student and has always believed that he is on par with his peers. He also shared that he always maintains a self-motivated attitude, exercises himself in addition to studying, and does not allow himself to be idle; He strives for perfection, imposes strict requirements on himself, and strives to complete tasks or goals with high standards, focuses on the process, not the outcome, works diligently, and does not give up.

He also devotes daily to professional development, timely assignment completion, optimistic thinking, and innovation. Pay close attention to Learning efficacy and total dedication during learning will essentially ignore factors other than learning, such as the abundance and delectability of food, the elegance, and style of clothing, etc. In addition, he actively participates in various discipline competitions and cultural and athletic events and develops his skills in other areas. Pursue his holistic development, serve in student management cadres, and actively engage in social practice.

When asked how he inspires himself to be the top student, he responded that he is grateful for his parents'

tender care and motivation to study hard and work harder to get money. He is determined to repay the efforts of his parents. He stated that whenever he is tempted to give up, he will think of his parents day and night to assist his family financially. Furthermore, he is determined to study harder so that he can provide for the well-being of his parents.

## Case 2 – Shen Lan

Shen Lan was born in 2000, making her age 22. She enrolled in September 2019 and is currently pursuing a mechanical and electronic engineering degree in her fourth year of college.

Her mother completed elementary school and had an average level of education; her father completed high school. The family has raised four children, three enrolled in college and one in high school, on a monthly average income of approximately 4,500 yuan.

Shen Lan is an introvert with a moderately poor sense of self-worth and middling interpersonal interactions. She participates in extracurricular activities and enjoys athletics, running, and playing ball, as well as events in the English corner. She also joined other student organizations, including the English Association and the Student Council, and held roles on the class life committee and vice class president, among others. She was frequently observed assisting instructors and organizers with the planning and execution of school programs. No one would ever suspect that she volunteered as a messenger during school functions, given her prominence on campus. Her pleasant disposition toward individuals from all walks of life showed her modesty.

Additionally, she was a consistent honor student. This academic performance has been steady from elementary school through college. She lost track of the number of medals her mother kept for her year after year. When asked about her academic accomplishments, she stated that she maintains first- or second-place professional academic performance and actively participates in many academic organizations. He received first and second place at the Guangxi Mechanical Innovation Competition, as well as one national scholarship, one first-class scholarship, and two enterprise scholarships.

She also discussed the various obstacles she encountered during her schooling. According to her, as a female college student, it is tough to master mechanical majors since her foundation is generally poor, and her three-dimensional sense of space is typically weak. She finds it more challenging to master related professional software; In addition, because her parents have a restricted income and must pay for her four siblings to attend college at the same time, her living expenditures must be rigorously limited to 800 yuan per month, or else she may confront difficulties.

In order to overcome obstacles and achieve academic achievement, she employs a methodical approach to handling learning problems and spends more time in college after school. Reduce the demand for quality of life and quality, actively participate in school work-study, and get a small amount of personal economic income, around 240 yuan per month, to alleviate and prevent personal financial bankruptcy.

In order to achieve academic excellence, it is necessary to sustain strong academic performance. She attentively listened to the lecture, comprehended and comprehended the knowledge imparted by the instructor, and participated in class discussions. After class, organize class study notes, summarize and reflect on the knowledge gained, and preview the material covered in the next lesson. Invest more time in professional practice and practice, and improve the level of professional ability through curriculum design, project practice, and other practices; and actively visit the library to find relevant professional materials to help yourself understand the difficult points or the content, to broaden your understanding, and to promote learning.

She also exerted extraordinary effort to become a top-performing student by working hard and being strict with strong self-discipline in the actual act of learning, demanding himself, not being afraid of hardship, not afraid of tiredness, insisting on getting up early, insisting on exercise, insisting on memory, spending most of the day in school classrooms, libraries, and laboratories, and striving not to waste the good time of youth, even though such learning requires a great deal of time. It is really easy and tedious, but it becomes a good habit with time.

His younger brother and sister are all admitted to extremely good universities in China and have great academic performance. As a sister, she is frightened of falling behind, so she has been working hard to catch up. She wishes to achieve economic independence through academic and professional success, to be able to honor her parents and to set an example for her family. After enrolling in college, she discovered that she was surrounded by many outstanding seniors who became her academic targets in their senior year.

As a student, she has qualities that allow her to function at her highest level, such as self-discipline that enables her to be stern with herself at all times in her studies. Tenacity enables her to stay on the path of learning, never relax or slack off, and constantly work diligently; She can overcome her learning issues and advance in her majors due to her enthusiasm for scientific inquiry. This led to her attaining numerous academic accomplishments. She maintained

first or second place in professional academic performance, actively competed in mathematics and English competitions, published one professional paper, competed in the Guangxi Provincial Mechanical Innovation Competition and won first and second place, and was awarded one national scholarship, one first-class scholarship, and two enterprise scholarships.

### Case 3 – Qin Feng

She was born in 2002 and is 20 years old at this time. She is presently a third-year university student in the course logistics and was enrolled in September 2020.

Qin Feng's parents have only a primary school education; they are divorced, and her father is her legal guardian and dependent. The typical home income is approximately 2,000 yuan per month. His father works in construction, has low job stability, and is occasionally unemployed.

She is extroverted, upbeat, conversant, and has positive interpersonal relationships. She is also involved in numerous extracurricular activities, such as table tennis, badminton, basketball, and other sports. She also participates in competitions involving logistics simulation and other activities.

She also belongs to several student organizations. For example, she was a member of the Institute of International Education's student union and was responsible for student discipline management.

She has numerous academic accomplishments. She ranks fourth to sixth in each semester's professional academic performance, competed in the I logistics supply professional competition and the English competition for college students, and was awarded the school's first-class scholarship.

When asked about the challenges she faced during her studies, she stated that it is difficult to adapt to the environment when entering university, especially after entering university, where there is less supervision from teachers in learning and students must take the initiative to learn; There are a lot more complexities in life, there are many more choices in food, clothing, and makeup, no longer as simple as high school; There are a lot more complexities in life, there are many more choices in food, clothing, and makeup, no longer as single as high school; The difficulty of learning has grown, particularly in advanced mathematics, where integrals and functions are more difficult to comprehend and learn. Their economic expenses are worrisome; her family's economic situation is a little precarious, her father provides limited monthly living expenses, her mother is no longer responsible for my economic expenses due to a divorce, and her father's age makes it exceedingly difficult to obtain economic income/

She stated that to overcome obstacles and achieve educational achievement; she strives to obtain a scholarship each semester, avoid other distractions and temptations, and work assiduously to succeed in professional courses. She also saves money for living needs and uses her free time to perform job-study outside of school, assist companies with advertising and promotion work, and earn a portion of economic revenue to supplement living expenditures. In addition, she receives additional assistance and support from teachers and peers for mathematics and other challenging subjects, combines this with continual practice and research, and gradually solves tough problems.

To continue her strong academic performance and become a top performer, she must acquire appropriate study habits, such as attentively listening to the teacher in class, summarizing and reviewing the material promptly after class, and completing pertinent practice tasks with attention. In addition, focus on the efficiency and effectiveness of learning, primarily through timed practice, mock tests, and other means of continuously enhancing learning focus; Actively seek the assistance of teachers and classmates, or visit the library to locate relevant professional materials in order to assist oneself in comprehending difficult points of knowledge or content that is not understood, widen knowledge, and enhance learning. In addition to going to bed on time, eating healthily, and exercising moderately every day, the rest of her time is spent studying, preparing, reviewing, and practicing homework for professional courses, so my life is very simple. Eighty percent of her outside sleep is spent in dormitories, cafeterias, classrooms, and libraries.

She also drew inspiration from her sister, who excelled in her professional studies, graduated, and now has a stable job and income; as a result, her sister became a role model for her. She also set learning goals, prepared for professional graduate studies, and forced herself to study hard, as this was the only way she would have the chance to be admitted.

### Case 4 – Yang Xiaojun

It is an understatement to say that he was the most popular student on campus, as he was much more than that. Consistently awarded academic awards, a youth leader, and a student leader, this attractive, ever-smiling teenager glided through campus daily, setting females' hearts aflutter. Born in 1999, Yang Xiaojun is now 23 years old. He entered in September 2018 and completed his bachelor's degree in mechanical engineering in June 2022.

His mother has barely completed the third grade of elementary school, although his father graduated from the

third year of high school. The average monthly income of the family is less than 2,000 yuan. His parents are unemployed, do not have regular jobs, and rely on temporary income; work is paid for labor, the income is unreliable, and the family's average monthly income is less than 2,000 yuan.

Yang Xiaojun has a positive outlook on life and a happy demeanor; he is motivated, has strong relationships with the people around him, and can use communication to resolve certain obstacles and issues with teachers and classmates.

He also participates in extracurricular activities and professional competitions.

Additionally, he joined many Student organizations and participated in student groups, including the campus college students' mechanical Skyworth Center, the military enthusiast association, and the department student union, weave.

He also has numerous academic accomplishments. He has participated in more than 20 national professional contests and received honors; he holds six national utility model patents and is awarded first place in the class for his professional academic performance in the second grade.

He has won eight times at or above the provincial or ministerial level in discipline competitions: He earned the top place at the sixth Guangxi University Innovation Design and Production Competition in April 2020. (project leader). He earned the silver award at the Guangxi Finals of the 6th China International "Internet +" Innovation and Entrepreneurship Competition in August 2020. (project leader). He earned the second prize in the Guangxi Division of the ninth National College Student Mechanical Innovation Design Competition in September 2020. (main participant of the project). He earned second and third place at the 10th "Challenge Cup" Guangxi University Students Extracurricular Academic Science and Technology Works Competition in June 2021. (project leader). He earned one gold prize (project leader) and five bronze awards (primary participants and participants) at the Guangxi finals of the seventh China International "Internet +" Innovation and Entrepreneurship Competition in July 2021. In March 2022, he received the second and third place awards in the seventh College Student Innovation Design and Production Competition (project leader). He got the silver prize at the 10th "Challenge Cup" Guangxi College Student Entrepreneurship Plan Competition in July 2022. (main participant of the project). In July 2022, he earned two bronze medals in the eighth China International "Internet +" Innovation and Entrepreneurship Competition finals in Guangxi (main project participant). He also got five national utility model patents, including "A simplified bionic quadruped machine," "A portable automatic inflated pillow," "Prevention of myopia induction desk lamp," "A type of intelligent drying rack," and "A practical, intelligent drying device." In addition, he earned eight awards and honors: 2020 "China Telecom Scholarship FeiYoung Award" 10,000 yuan; 2021 President's Scholarship 6,000 RMB; 2021 First Class Scholarship of Giken Xinyang Group; 2019 First Class Scholarship for School Study Excellence; 2022 Guangxi Provincial Outstanding Graduate; and 2022 Outstanding Graduation Thesis.

When asked about the difficulties he encountered during his studies, he explained that in the first year of university, due to factors such as the high speed of teachers attending classes and the large amount of homework after class, they were somewhat uncomfortable in learning and felt that learning was more difficult; because the family's economic income is low, it is also financially tight after entering school, and it is necessary to save for living expenses.

To overcome the obstacles, he must primarily seek direction and assistance from the classroom instructor, synthesize and summarize the class content in time after class, create a learning list, and increase the comprehension and retention of the acquired knowledge. As a result, his living needs are modest. He strives to live as simply as possible, reduce superfluous living expenses on stylish clothing, food, etc., and devote more time and energy to professional development.

Despite these obstacles, he strives for academic excellence to become a top performer. He is motivated by the desire for a better life and the anticipation of future professional success in the hopes of achieving professionally and overcoming financial hardships. Become a successful person; In the heart, silently transform hope and pressure into their learning motivation, constantly improve the consciousness of learning, and complete various professional learning tasks in a timely and high-quality manner; He also tries to improve the utilization of time, strives to spend more precious time on learning, reduces the time for playing, traveling, shopping, etc., though the required exercise and rest time must still be available.

From the time he decided to devote more time and energy to studying, he kept a clear head and resisted the temptation of some useless leisure and social activities. He also continuously strengthened his self-restraint and self-management awareness, avoided "three days of fishing and two days of drying the net," and developed good study habits. In addition, he adheres to the theory-practice connection, actively participates in professional competitions at the national, provincial, and university levels, and spends most of his time in the laboratory with team members, where they discuss professional and technical issues and continually gain practical professional experience. Through

the consolidation of professional knowledge through practice, mutual synergy is produced.

When asked how he motivates himself, he stated that he follows the example of his father, who worked as a policeman, then in a state-owned enterprise, and then lost his job, but never gave up on his dream of life, worked hard, provided his family with financial resources on his own, and ensured my basic living expenses for attending school. After enrolling in college, he progressively developed such ambitions and self-assurance, intending to succeed in his professional courses and achieve financial independence. He wants to make efforts and contributions to his family so that he can convert his goals, dreams, and pressure into inspiration for his practical activities, study diligently, and strive for professional success.

### **Case 5 – Xie Hangyi**

He maintained a grade point average of 90 or higher throughout his high school career. When his friends searched for him, there was only one location they could be sure of finding him: the library. He had his nose buried in a stack of books in his spare time. He was captivated by studying, reading the newest books in the library, and everything else about education. His buddies never doubted that every book in the library bore no more fingerprint.

Born in 2001, Xie Hangyi is now 21 years old. In September 2020, he enrolled as a third-year student in mechanical design, manufacturing, and automation. His mother has completed the ninth grade, and his father has completed the twelfth grade of secondary school. Due to the impact of the pandemic, both of his parents are in the workforce, the family's income is uncertain, his younger brother is going to enter kindergarten, and the family's average monthly income is 2,000 yuan.

Xie Hangyi is more introverted, has a stable personality, and is not skilled at interpersonal communication. However, he is willing to do it and is conscious of the need to communicate with others.

He participates in extracurricular activities such as table tennis, badminton, and other sports and professional tournaments in several disciplines.

He engaged in various student organizations, including the new media center of the School of Mechanical and Electrical Engineering, the artisan ambition association, and others. However, he was primarily responsible for event management, publicity, planning, and other duties.

He received the first prize in the Study Excellence Scholarship twice, the school title "Three Good Students" twice, the third prize of Guangxi Province in the National College Students Engineering Training Comprehensive Ability Competition, and oversaw the research of a provincial college student innovation project in Guangxi. In addition, he was awarded a first-class scholarship for academic performance, gained third place in the National College Student Engineering Comprehensive Ability Competition, and oversaw the research for two Guangxi College Student Innovation and Entrepreneurship projects.

When asked about his difficulties during his studies, he stated that he is focused enough in the lectures because he must sometimes consider personal income and life problems and that his initial knowledge base was not solid enough. In the initial stage, his learning was out of sync with the teacher's teaching content, often in a lagging state, similar to when he was learning English, so when the teacher was teaching, it was difficult for him to understand the content of the neoclassical theory. In terms of professional innovation, he frequently feels that his professional knowledge is limited and that he does not know much about the frontiers of professional development, which solidifies his innovative thinking and motivates him to innovate in his profession even though he feels it is too difficult and has no idea how to do so. In terms of personal finances, his parents do not give him much money because the family's economic income is low and unstable. They cannot be on time, so he must frequently consider how to raise income and decrease expenses in order to complete his professional studies in college.

In order to overcome these obstacles, he devotes a significant amount of after-class time to professional learning activities, such as watching professionally related online courses to study, completing the teacher-assigned professional homework, visiting the library to check relevant knowledge, and seeking assistance from professors and senior students to improve their professional performance. He actively engages in professional practice by participating in professional internships at businesses and professional activities at clubs and schools. He should pay attention to professional academic reports and professional science and technology developments in journals, work to extend his professional perspective, and attempt to create engaging professional products with his peers. In terms of personal finances, he participated in the school's work-study program, can earn a fixed income of 400 yuan per month, and has also devised a plan to save money. In addition to reducing some non-essential social and shopping activities, he has eliminated some non-essential non-professional activities. Maintain your economy in a sustainable condition.

Xie Hangyi maintains high academic performance in order to become a top performer by paying close attention to the professor's lecture in class, thinking positively, attempting to keep pace with the professor's thinking during the lecture; summarizing and reviewing in time after class, memorizing knowledge points, and conducting in-depth research on key issues; doing homework assignments with diligence and enhancing their professional expertise through homework; To extend professional learning, one must actively monitor the development direction, frontier, and application of professional technology through libraries, networks, and student exchanges, as well as comprehend and master professional and associated interdisciplinary information.

Because English enables him to comprehend the worldwide expansion of my career and enhance my English skills, he insists on waking up every morning at 8:00 a.m. to memorize vocabulary and practice speaking; In order to strengthen my recall, understanding, and application of professional knowledge, he insisted that I complete numerous professional homework assignments and exercises in the study room and laboratory each night. Strengthen the pre-course preparation of professional learning, and insist on previewing the chapters and materials to be taught by the professor the next day in advance to keep up with the professor's lecture in terms of thought; Enhance the usage of professional computer software, such as C+, JAVA, PLC, MATLAB, and another programming, drawing, and other software, to enhance the professional auxiliary skills of computers; He also arranges study time rationally, enriches the university's professional learning content, avoids wasting youth's time, and optimizes study time for professional development and growth.

He is also motivated to be a top performer because he is appreciative of his parents' efforts and hopes that through professional success, he will be able to reduce their financial burden and help them live a happy life; he also enjoys reading the Carnegie Success Series, where he is inspired by the accomplishments of many successful people and encouraged to pursue his goals.

As a student, the qualities that allow him to succeed at his highest level are his willingness to battle and lack of fear of defeat, as well as his belief that he will strive to do more good and attain his goals. Therefore, his plan in college is to succeed in professional learning, constantly improve his professional knowledge, actively participate in various professional competitions, exercise his professional application ability and enhance his professional skills and increase his future Career competitiveness.

### Case 6 – Wei Yifang

She was at the top of his class and in the star section. She consistently occupied the number one rank among all students. Teachers were impressed with her brilliance. Her peers coveted her academic accomplishments.

Born in 2001, Wei Yifang is currently 21 years old. She entered in September 2020 and is currently in her third year of college. She is studying the technology of animation production. Her father and mother both completed junior high school. When his parents divorced, his mother became his legal guardian, and he became her legal dependent. Her mother retired owing to illness, and the household's average monthly income was approximately 1,500 yuan.

The interviewee is gregarious and upbeat, possesses strong communication skills, and maintains positive interpersonal ties. She also participates in extracurricular activities, including basketball, tennis, skiing, and other sports, as well as homemade calligraphy and painting competitions. She also joined many student organizations, such as the school student reading association, where she served as the publicity leader and was primarily responsible for all types of school reading promotion publicity planning and the maintenance of related equipment.

When asked about his academic accomplishments, he stated that his academic performance each semester is always ranked first in the major, that he actively participates in discipline competitions, that he has won national and provincial awards in professional design competitions numerous times, and that he has published two professional papers for which he received a national scholarship and a school study excellence scholarship.

She revealed that she had confronted issues such as a lack of enthusiasm for learning and strained family finances. She struggled with a lack of self-discipline when it came to learning. The learning atmosphere of the junior college is weak, the learning self-discipline is weak, the study life of the university is different from the middle school stage, the supervision from the teacher is greatly weakened, and whether the daily learning content can be absorbed and digested, completely depends on consciousness. Students are tired of learning, playing games, etc. Since she came from a poor urban family, her mother needs to take medicine for life when she is ill, and the family's financial expenses are high; her living security in college is not very stable, and she must constantly consider how to increase my economic income and save expenses, which also has a certain effect on my studies.

In order to overcome these obstacles and attain academic success, she devised an action goal plan. First, establish a long-term objective that inspires her to continue advancing, organize each semester under this objective,

and then develop monthly plans and arrangements; A approach of learning time accumulation was employed. In addition to classes, food, bathing, sleeping, and required social events, she spends most of her time in the study hall daily. Conduct professional reviews and summaries in laboratories, libraries, and other locations, and promote healthy study habits through force; Adopt a strategy of work-study. She aggressively utilizes her free time to work on campus and part-time outside of school on the weekends to generate enough money to support her daily living expenses, thereby reducing the financial strain on her family.

She focuses on professional assignments and competition practice to maintain good academic performance and become a top student. She carefully completes every professional assignment and strengthens it through homework, and their theoretical knowledge base, while actively participating in professional design competitions and continually accumulating competition experience, Focusing on professional practice and learning from others. Her major was designed, which takes a great deal of outside-of-class practice and assistance from teachers or high-level professionals to develop my professional aesthetic ability and expand my horizons to boost innovation capabilities and levels. She believes that only by maintaining a healthy body, lots of energy, and a good mind can she promote learning more effectively; thus, when she is tired, she will also relax and rest. Watch TV variety shows and play online games, but don't become addicted to them; undergo psychological reflection and keep a diary every night before bed, record her feelings for the day, amass experience, update the self-awareness table monthly, and define her progress and flaws.

To be a top-performing student, he enrolled in a new major in addition to taking the professional courses required by the school. As a result, he has taken five to seven more courses each semester than students in the same major.

She is motivated to work hard because she is dissatisfied with her current status and anticipates a larger platform for professional development in the future. During her second semester of university, she established defined learning objectives and the focus of her efforts. Turn economic troubles into internal motivation for learning, be eager to transform their own family and future development trends through professional learning, have a high economic income and steady professional career, and improve their own lives and those of their families. She always maintains a cheerful and optimistic outlook to reduce worry and keep herself in a good mood to confront study and life; she has tremendous perseverance, refuses to give up when encountering obstacles, and is confident in her ability to handle things well.

### Case 7 – Sun Ya

Sun Ya was born in 2003 and is 19 years old at the moment. She entered in October 2020 and is currently enrolled in her third year of aircraft manufacturing engineering. Her father is a Chinese junior (9th grade), and his mother is an elementary school graduate (6th grade). Her parents are farmers, and her family's average monthly income is approximately 30,000 yuan. There were times when both parents were unemployed, and it was difficult to find enough money to purchase rice for a decent lunch. During the planting season, her parents would plant rice in the field regardless of whether it was raining or extremely hot.

Simply put, they had to find a method to feed their children. She was left at home to care for her younger sister. They simply consumed lunch and dinner daily. She never experienced what it is like to consume breakfast daily. Possibly twice or three times per month, assuming there was enough money to purchase a few eggs. She attended school on an empty stomach daily, never understanding the meaning of breakfast.

Sun Ya is affable, communicative, courageous, fearless, and has excellent interpersonal interactions. She also participates in extracurricular activities, including running, animation video editing, and the China Aircraft Design Challenge 3D digital modeling competition. In addition, she joined several student organizations, including the school reading association, PPT, poster, and video production. She is also a member of the micro-miniature flight's laboratory team, where she works as the project's team leader and is responsible for flight control debugging.

The National 3D Digital Innovation Design Competition won the third prize at the national level, the first prize at the national level in the China International Aircraft Design Challenge, the Silver Award at the district level in the "Internet +" College Student Innovation and Entrepreneurship Competition, and the third prize at the university level in the Gender Equality Design Competition. In addition, won the freshman scholarship, the first class scholarship for outstanding academic achievement, the second class award for outstanding academic achievement, and the inspiring national scholarship. Furthermore, acquired the CET-4 Certificate in English, the Level 2 Certificate in C++, etc.

When questioned about her obstacles during her education, she mentioned living environment obstacles. She stated that she is from Henan Province, China and that after entering university, her living environment changed



significantly; she was away from home for the first time to study in a boarding university; in daily campus life, without the care of my parents, the daily life content must be arranged by herself; especially when it is time to eat, she is responsible for arranging her meals. Initially, her body became uneasy with Guilin's climate, hygiene, nutrition, and other living conditions. As a result, she frequently fell unwell, which presented me with a formidable obstacle that had never left home alone.

In high school, she learned and consolidated her knowledge mostly by memorization and practice; however, in college, she adopted a new approach to education. As a result, the substance of the study lacks relevance, and she does not know how to use it. However, when she arrives at university, she will not only be able to acquire theoretical information but also participate in extracurricular activities. For example, some professional practice activities identify application scenarios for the learned content in order to verify the learned content; therefore, in addition to completing the theoretical learning activities of professional courses in the classroom, she must also utilize her free time for professional experiments, practical training, and other professional skill activities.

In middle school, the people around her were studying hard, and their interpersonal relationship was limited to a few friends, and I did not contact too many other people; however, after entering university, her social circle grew significantly, and she must communicate with numerous people in study and life. Furthermore, rich interpersonal relationships assist us in comprehending all types of material in college; therefore, her challenge also includes learning how to develop effective interpersonal relationships.

To overcome these obstacles, she strives towards scholarship goals, takes each lesson carefully, and reviews everything after the semester; In terms of interpersonal interactions, she treats everyone she encounters with warmth and leaves a positive impression on others; she also makes optimal use of her time, devotes all of her free time to the competition, and continually learns the software required for proficiency. In addition, she never gives up in the process of participating in the competition, not only to win the reward but also to enhance her skill via the competition.

She also maintains high academic performance in order to become a top student by cultivating strong study habits, paying close attention in class, and completing the relevant assignments according to the teacher's instructions; She Constantly enhances her learning efficiency while ensuring her own learning time, and if she wishes to outperform others, she must invest more time and effort.

In addition to eating, sleeping, and engaging in necessary physical activity, she devotes nearly all of her time to professional studies and competitive activities, including summer vacation, winter vacation, and other vacations. She needs to listen properly in class, perform homework carefully after class, and revise carefully throughout exam week to maintain her book knowledge. She devotes the remainder of her time to professional competitions and professional qualifications; she also pays great attention to professional practice and competition. She joined the innovation team of the Academy's Micro Aircraft Laboratory, where she prepares for competitions in the laboratory and conducts daily off-field training. On the other hand, it is necessary to learn flight controller-related knowledge online or to practice 3D modeling technology. To have sufficient professional knowledge reserves, she taught herself programming-related knowledge and obtained a C++ computer certificate to lay the groundwork for an in-depth study of flight controllers.

3) I also prioritize the development of social and teamwork skills, am an active member of student groups such as reading associations, and organize and plan club activities with classmates.

She has been working towards her goal of pursuing graduate studies at Nanjing University of Aeronautics and Astronautics since she first entered the university. She said that winning a scholarship is also an incentive for her, as her family is not wealthy, and compared to the manual labor and hard work that her parents put in every day, she has this bit of hard work in her studies. Therefore, only if she receives a scholarship can she properly alleviate my parents' financial burden.

## Case 8 – Mo Juan

Mo Juan was born in 2000 and is 22 years old. She enrolled in September 2019 and is currently a student in her fourth year of software engineering. Her parents are both literate primary school graduates engaged in family farming. Her father occasionally works odd jobs, but his employment security is low, and the family's average monthly income is approximately 1,300 yuan. Mo Juan's skin was black and had been caressed by the sun numerous times. During his free time, he worked on the farm and assisted his farmer father in cultivating someone else's land.

Mo Juan is slightly shy and cautious, possesses excellent communication abilities, and maintains positive interpersonal relationships. She also participates in other extracurricular activities, such as running, table tennis, badminton, other sports, school games, knowledge competitions, and other cultural and sporting events. In addition,

she joined many student organizations, participated in the college student union, and was in charge of college student sports training.

During the interview, she also spoke about his academic accomplishments. The national and Guangxi Province college students' software engineering professional competition, college students' English competition, and other activities have rewarded her. She has been awarded the national, inspirational, and second-class scholarship for school study excellence, among other accolades.

When asked about her difficulties, she stated that a new management paradigm from high school presented obstacles. The management of secondary schools is teacher-restricted, and students must obey; The management of the university is primarily based on student self-management, and students have high autonomy; Therefore, in college, she would have more time to spend, but it would also be a greater challenge to self-management, as studying, work, and life all require personal awareness. In addition, she faced obstacles provided by high school's academic standards. After all, in China, everything serves the college entrance examination; however, university courses have a broader range of content, greater knowledge difficulty, higher requirements for comprehension ability, and a greater emphasis on students' research learning and active thinking, leaning more heavily on students' research learning and active thinking. Capabilities present obstacles.

The difficulties of a new way of life after high school. In high school, study and life are relatively close to family, and the care of parents is an important guarantee for study and life, relieving individuals of the burden of many complicated and trivial matters; In college, there is no proximity to parents, and it is more important to live independently, and many things must be arranged by yourself.

She also encountered difficulties due to the change in interpersonal milieu from high school. Her friends in high school spend nearly every day in the same classroom, have been together for many years, are familiar with each other, and share similar interests. And because college students come from all over the world, it is difficult to develop close ties quickly after acceptance. And in college, the classroom is not fixed, nor are the seats, save for the class, which is a challenge for my interpersonal skills.

She has set goals and aligned herself with scholarships to overcome these obstacles. The university's lax administration benefits lax management, and campus life is more conducive to developing and improving self-comprehensive quality. She chose a worthy objective, devised a plan for each small step so she wouldn't become lost in freedom, and pursued it with all her might despite temptations and diversions. She also attempts to comprehend her flaws and establish her wants. Determine what she lacks and desires, determine the gaps, use her free time to pursue her interests and hobbies, and enhance her abilities, such as office software applications, PS, PR, etc. To be a more improved version of herself.

She also overcame excessive parental reliance. It's always a little frightening to leave home and move to a completely foreign city, so she must adapt, continually alter her thinking, and improve her relationships with her roommates.

Additionally, she acquired solid study habits. Perform preparatory work before class, pay close attention, summarize and review material after class, and carefully finish necessary assignments. She organizes time methodically. There are several hobbies, groups, and clubs besides classroom study at university, but she believes that education should always take first. Therefore, she focuses on efficient learning. More hands-on experience, more practice, and more computer use are always the quickest and most efficient means of learning for engineering students.

### **Case 9 – Wang Yifei**

Born in 2003, Wang Yifei is now 19 years old. She entered in September 2021 and is presently a sophomore majoring in international business.

Her father has a high school diploma, although her mother has only completed junior high school. Her parents are divorced, and her father is the legal guardian and dependant. Her father is a service worker with low job stability and sporadic unemployment, earning approximately 1,500 yuan per month on average.

Wang Yifei is outgoing, jovial, self-confident, and tolerant; willing to dedicate themselves, endure adversities, and withstand hard labor; Possesses excellent communication skills and positive interpersonal interactions. He also participates in several extracurricular activities, such as volleyball, badminton, tennis, and other sports, essay competitions, calligraphy competitions, and ball games. In addition, he is a member of various student organizations, participated in the student department of the school league committee, and was responsible for the office department's daily operations.

When asked about his academic accomplishments, he disclosed that he ranked first in the comprehensive

assessment results of the freshman in the major, she ranked second in his major, and won the national scholarship and the first-class scholarship for academic excellence; She has won honorary titles such as "Advanced Individual in Freshman Military Training," "Excellent Communist Youth League Member," and "Three Good Students"; Actively participated in innovation and entrepreneurship.

When questioned about the obstacles she faced during her academic career, she mentioned learning management obstacles. In contrast to high school, where homeroom and subject teachers supervise and regulate students, learning at the university level demands strong initiative and self-discipline. Without the teacher's supervision, the activity was sometimes completed in haste; she also had difficulties with time management. It is difficult for students who participate in several organizational duties and activities and have limited study time to achieve their optimal learning state; she also had difficulties with learning tasks. In the process of classroom learning, personal understanding and absorption of knowledge are slow, and professional courses are under great pressure and difficult to learn; Additionally, she faces a challenge in terms of learning methods, as university study differs from high school study, and when I did not find a good study method, my learning efficiency was low, and the study pressure was higher.

To overcome obstacles and attain academic achievement, he strives to be steadfast in his determination to go to graduate school. In addition, he avoids other distractions and distractions, refuses unnecessary time-wasting gatherings, leaves free time for study, makes every effort to carry out in-class and extracurricular learning, achieves self-discipline, learns the basic knowledge and research methods of the field of the major, reads more introductory books, and strengthens the study of professional courses; he also handles the relationship between work and studies correctly. Additionally, he modifies the learning status. For example, when she is in a bad mood and has low learning efficiency, she should engage in sports or listen to music to modify her state to calm down and study. Additionally, she attempts to improve learning methods. For difficult-to-learn subjects such as advanced mathematics, financial management, and tax law, seek additional assistance and direction from instructors and peers, and engage in continual practice and research. When the consolidation impact of self-study is inadequate, utilize the Chinese university MOOC website, B station, and Douyin to look for training videos to help you comprehend the information you do not comprehend.

She created effective study habits and adhered to their learning strategies to sustain high academic performance and become a top performer. For instance, she pays close attention to the lecture and sits in front of it. She also maintains a high level of listening efficiency and participates in class discussions. Summarize and review in time after class, spend a portion of nighttime self-study and vacation to organize and review the content of recent learning, answer tough issues promptly, and avoid procrastination. Pay attention to learning efficiency and effect, primarily through timed practice, mock exams, and other ways to continuously improve the attention of learning; Actively obtain assistance from teachers or classmates or visit the library to find relevant professional materials, to help themselves understand the difficult points of knowledge or do not understand the content, expand their knowledge, and promote learning. She also pays careful attention to the review before the final exam, focuses both her left and right energies on preparing for the exam during exam week, and pays undivided attention to the full review of the semester's learning material.

### **Case 10 – Liu Dan**

Liu Dan was born in 2000 and is 22 years old at this point. She entered in September 2020 and is a third-year mechatronic engineering student at a university.

Her father and mother both have an elementary school education; her mother passed away, and her father is now her legal guardian and dependent. The average monthly income of the family is approximately 3000 RMB. Her father works on a business farm and earns a modest salary; the family's average monthly income is about 3000 RMB. Indeed, their lives were never the same again, but her hopeful outlook on life grew somber. Nevertheless, she maintained her academic excellence and rose to the top of her class because she believed this was her mother's hope for her. Her mother would be overjoyed in heaven if she achieved success in life. Due to the circumstance to which she belongs, she doubles her efforts to achieve achievement - to assist her family.

Liu Dan is an introvert who enjoys studying, possesses mediocre communication skills, and is optimistic. In addition to air volleyball, badminton, basketball, and other sports, she participates in drone logistics contests, the national Student Robot Competition, "Internet +," the Challenge Cup, Create Youth, and other national college student innovation entrepreneurial events. She also joined student organizations and participated in the student union of the college, served as the person in charge of literary and artistic activities, and was responsible for the program selection and selection of literary evenings rehearsals and performances; She Participated in the UAV Logistics

Association and was in charge of the association's administrative duties; and joined the UAV Logistics Association and was responsible for the association's office work.

When asked about her academic accomplishments, she said she ranked first to third in each semester's professional learning performance, won the National Collegiate Mathematics Competition and the Collegiate English Competition, and was awarded the first-class scholarship for school learning excellence. She also won first prize at the Campus Cheerleading Competition of the College Student Sports and Culture Festival, the bronze award at the China International "Internet +" Innovation and Entrepreneurship Competition, the third prize at the National College Student Robot Competition, the Three Good Students Award from the Guilin Institute of Aerospace Technology, the first prize from the Guilin Institute of Aerospace Technology, and the third prize from the Guangxi College Students Innovation Design and Production Competition.

She also disclosed that she experienced many obstacles in her academic career, including environmental limitations. Before attending university, she expressed a strong desire to attend college, but after enrolling, she felt slightly disoriented. She believed that universities were all located in large cities, but her school was at the foot of the mountains on all sides, which was not a problem. However, when she learned that the college entrance examination scores of the surrounding students were 300-400 points, she was a little bewildered, as her score was over 500 points, and the psychology was somewhat unbalanced. She said that she lacks goals. Before entering university, all students work diligently in one direction, that is, to gain admission to a university where they will be happy, but once enrolled, they feel relaxed and unable to study. In my freshman year of college, Mom felt confused because she didn't know what to do after college or her ambitions. As soon as she understood this issue, she continued to study diligently and competed in numerous professional competitions to advance her career.

She also encountered difficulties due to economic demands. She shared that her family's economic income is low, that her father works early and returns late every day, that she has two younger brothers who are also in school, and that because her father is older, the family can obtain economic income that is severely insufficient. As a result, she wants to save as much money as possible to help her father reduce his workload. To ensure that my life may continue normally, she uses her leisure time to participate in work-study programs at the school cafeteria and other locations.

She acquired solid study habits, such as previewing textbooks before class and attentively listening to teachers, to manage these challenges and sustain high academic performance to become a top performer. She also responds actively to the teacher, completes carefully the homework assigned by the teacher after class, and summarizes and reviews it promptly; when encountering learning problems that you do not understand, go to the library to find materials or asks other students for help or guidance, or ask teachers for advice; She also participates actively in several disciplinary competitions, enriches their university life, and strives to expose and solve difficulties in the event roadshow in order to confront the actual competition with greater confidence.

Spend more time on professional study and research activities. My typical day consists of spending 2-3 hours in the morning memorizing vocabulary and reviewing what she learned the day before, followed by a visit to the seminar room or laboratory with her peers. Conduct competition preparation activities, including constructing intelligent robots and debating participation in the "Internet +" competition and the Challenge Cup. Almost every day of my university life over the past three years has resembled this description: different, but not too different. However, my professional academic performance has improved and become more successful thanks to my efforts.

### **Case 11 – Meng Wei**

Born in 1995, Meng Wei is now 26 years old. She enrolled in September 2019 and is currently enrolled in her fourth year of software engineering. Her father recently completed the sixth grade of elementary school, and his mother recently completed the junior Chinese level (grade 9). Her parents are engaged in agricultural planting in rural areas that are heavily influenced by natural conditions; as a result, the family's economic situation is fragile, with a monthly income of approximately 2,000 yuan on average.

Meng Wei is a little introverted and upbeat, possess excellent communication skills, and has strong interpersonal connections. She also participates in extracurricular activities, including table tennis, badminton, swimming, other sports, and English competitions. She also joined many student organizations and was a member of the English Association, responsible for organizing and planning activities.

When questioned about his academic accomplishments, she ranked first to sixth in professional academic performance each semester, participated in national computer, college students' English, college students' mathematics, and other competitions, and won several awards, including the first and second prizes of the school study excellence scholarship, the National Inspirational Scholarship, and the Guangxi District People's Government

Scholarship.

She revealed that he also had obstacles, such as adjusting to the school administration. After enrolling in college, it is necessary to possess good self-management skills. The management model of the university is less stringent than that of high school. Thus it is normal to feel relaxed upon approaching the campus. This demands her to have excellent time management skills and the ability to learn independently. She also had difficulty adapting to her interpersonal connections. College students come from all over the country, everyone lives differently, and everyone behaves differently; as a result, when so many people live under one roof, a variety of interpersonal conflicts are inevitable. In many instances, she must coexist quietly with unfamiliar individuals. Suppose a person wishes to develop, realize his potential, and contribute something of value to society. In that case, she must have an excellent interpersonal environment consisting of harmonious interpersonal relationships with the people around her.

In order to overcome these obstacles, she plans her time and learning activities more effectively. University study is a form of "independent learning" in which the student determines what to learn, how to learn, and to what degree, with the requirements of schools and teachers being only supplementary. Therefore, adequate time and an effective study schedule are the keys to success. She also cultivates positive interpersonal ties. Communicate more with peers, learn to share beautiful things with roommates, such as tasty food, entertaining games, etc., and be exposed to diverse viewpoints. In the event of a disagreement, we must learn to maintain composure, avoid quarreling with classmates, logically assess obstacles, and find peaceful solutions.

Although she spends time with family and friends, extracurricular activities, and private breaks, she does not overlook devoting sufficient time to studying. She also set lofty objectives. She encourages herself to advance by observing where the industry leader is, what the top academics are doing, and the outcomes of successful people.

### **Case 12 – Shang Xidi**

Shang Xidi, born in 2001 and now 20 years old, was born in 2001. She entered in October 2020 and is currently a third-year university student majoring in Building Environment and Energy Application Engineering. Her father and mother speak Chinese at the elementary level and are farmers; their income is inconsistent, averaging approximately 2,000 yuan per month. She astonished his teachers on the first day of school. She presented herself with the same grasp of the English language he possesses. As the school year progressed, her teachers also learned that she excelled at mathematics. She mentally solved Math problems. She had great aspirations and was consistently in the top position. At the midpoint of the school year, he was positioned to finish at the top of all sections with high honors.

Her daily existence was never simple. She was helping her parents earn a living while other pupils played games or visited neighboring shopping centers. Her father was an agricultural worker. She assisted him throughout school breaks. Despite her family's low living conditions, she graduated with the highest honors.

Shang Xidi is extroverted and upbeat, possesses strong communication abilities, and has positive interpersonal interactions. She participates in numerous extracurricular activities, including tennis and dancing. In addition, she joined many student organizations and engaged in the College's Student Union, Art Troupe, and Student Service Center; she is currently the vice president of the Student Union and the director of the Art Troupe.

The credit grades and comprehensive test of their freshman year are ranked first in the major, and she has won the first-class scholarship for school learning excellence and the scholarship of the People's Government of Guangxi Province; The credit grades and comprehensive test of the sophomore year are ranked second in the major, and he has won the second-class scholarship for school learning excellence and the national inspirational scholarship. In his sophomore year, he declared two innovation and entrepreneurship projects for college students, both recognized by the state and Guangxi Province. In addition, she won the Guangxi Province Bronze Award in the national "Internet +" innovation and entrepreneurship competition.

When asked about the difficulties he faced, he said that when she first arrived at college, she was a little uneasy with the transition from high school to University because, in high school, the teacher would always urge her to study. However, there is a big difference in college, more time alone, more freedom, and many campus cultural activities, and it is difficult to balance professional learning and extracurricular activities. Unlike junior high and high school, professional study at the University consists of only a few major courses, such as Chinese, mathematics, English, physics, chemistry, etc., and the rest are minor materials; On the one hand, there are more courses to study; typically, 3-5 professional courses must be studied and passed each semester. On the other hand, the difficulty and depth of learning have increased significantly; for example, mathematics has increased calculus, Linear algebra, and other difficult content pairs bring pressure to learning. In addition, University is a small society; therefore, college students are required to contact and deal with more things, involving more interpersonal relationships but also more

complexity; consequently, I felt lost and stressed as I attempted to navigate relationships with classmates, teachers, and college staff.

In order to deal with issues, she established specific goals for college. She knows precisely what she desires, focuses on professional development, and then engages in extracurricular activities without delaying her education. 2) Transform the learning process and enhance its efficiency and efficacy. She stated that she must adapt to the study methods of many disciplines, including advanced mathematics, college physics, and other challenging courses. She builds her interpersonal network, makes friends with classmates who share her interests and hobbies, and frequently shares her learning and job experiences. Make progress together, pay special attention to establishing good roommate relationships with dormitory students, and cultivate a positive learning and living environment by frequently meeting to study, supervising one another, and jointly preparing for professional postgraduate examinations, English level exams, etc.

Her family's poverty would never impede her determination to obtain a good education. On the contrary, this encouraged her to pursue her goals for the benefit of her family. She believed, after all, in the Mahatma Gandhi proverb, "If you want to change the world, educate your children."

### Case 13 – Bi Hualong

Sadly, learning was never simple, especially considering their living conditions. When the exam was approaching, he would have to study and read without electricity at night. Even with the aid of his scholarships, his family could not afford the luxury of electricity. Moreover, lunch was also an issue. He brought a packed lunch because he did not have enough money for school costs, such as projects, and did not want his parents to be concerned about school fees. There were occasions when he witnessed his mother borrowing money from other individuals to fund his ideas. His lunchbox nearly always contained rice and hard-boiled eggs. There have been periods when even eggs were scarce. During lunch, he simply seasoned the rice with a pinch of salt. This was sufficient flavoring. His buddies were kind enough to provide him with a delicious lunch they shared during the hour-long break.

Born in 1998, Bi Hualong is currently 24 years old. He entered in September 2019 and is currently a third-year university student studying energy and power engineering.

His parents have completed the sixth grade of primary school education. His mother works in a wood panel factory, while his father performs odd jobs in the city. His father's job is unsteady, and he is occasionally unemployed. The average monthly household income is approximately 4,000 yuan.

Bi Hualong is an introvert with decent communication abilities and solid interpersonal connections. In addition to extracurricular activities such as swimming, running, and other sports, he joined student clubs, participated in the college's student union, and was in charge of student discipline management.

When asked about his academic achievements, he stated that he ranked second to fifth in professional academic performance each semester; in his second year of university, he was awarded the National Inspirational Scholarship and the third-class scholarship for school learning excellence; and in his third year of university, he was awarded the National Inspirational Scholarship and the first-class scholarship for school learning excellence; and he has been selected to attend Guangxi University as an exchange student.

He also disclosed that he had psychologically delicate issues throughout his education. Changes in interpersonal connections at college have made his disposition a little more sensitive, and he has the impression that interpersonal relationships are better on the surface than they are in reality. During interpersonal relationship processing, he frequently suppresses his personal opinions psychologically and does not dare to express them, causing him to feel unhappy. This issue has plagued him since his freshman year of college; he also struggled with a lack of self-discipline in the classroom. His learning ability is good, but his willpower is quite low; he enjoys playing video games and cannot often manage the time he spends playing them; this is the primary factor impeding my learning development.

In order to deal with these issues, he received psychiatric and interpersonal counseling. After discovering this issue, he promptly sought psychological counseling at the school's counseling center; under the advice and direction of the counselor, he felt much better about himself, cared less about what others thought of him, and found his most comfortable psychological state; he also diverted his attention. He had difficulty resisting the impulse to play games as soon as he noticed other students playing in the dorm. Later, he planned his gaming time to exercise, learn to swim and compete in professional contests by diverting my attention. Slowly, his desire to play games diminished, eventually overcoming this undesirable behavior.

He must keep a strong academic standing to become a top performer. Follow the professor's lecture thinking in the classroom to focus on listening to the lecture, have an overall comprehension and grasp of the subject given,

and have a clear picture of the essential and difficult issues, to satisfy the overall needs of the teaching objectives. He also reinforces homework and exercises after class, reviews and summarizes class material, and reinforces and consolidates understanding of professional knowledge points in homework and exercises. Request assistance and support from the instructor and other students in the case of learning challenges and problems, and completely comprehend the professional expertise involved in the process. He also spends most of his time on professional growth, practice, and practice. He firmly believes in the "10,000-hour rule" of career development success, believing that success is imminent as long as the hard work is in place, and the harder you work, the luckier you will get. His mental state was lucid. He required success. He was motivated enough to be the best he could be. His family eagerly anticipates the day he receives his college graduation toga, a symbol that his success will result in a prosperous life for himself and his loved ones. This was the dream that he clung to and that propelled him onward day after day.

#### **Case 14 – Lai Yihui**

Born in 1999, Lai Yihui is currently 23 years old. She entered in September 2019 and is currently enrolled in her fourth year of logistics engineering. His father completed college, but his mother recently completed high school. His parents are divorced, and his mother has legal custody. The typical home income is approximately 2,000 yuan per month. His mother is self-employed, has low job stability, and is sometimes unemployed.

Lai Yihui is outgoing, vivacious, jovial, and forthright, possess strong communication abilities, and has positive interpersonal interactions. He engages in extracurricular activities such as badminton, calligraphy, and dancing. He also competes in logistics simulation competitions. And joined other student organizations, engaged in the campus art troupe, and participated actively in literary and artistic activities inside and outside the institution.

His academic accomplishments include a first-place ranking in professional academic performance each semester, in which he has participated numerous times. In addition, he has won professional competitions such as national college student supply chain, college student English, mathematical modeling, awards, a national scholarship, and three first-class academic excellence scholarships.

When asked about his challenges during his studies, he stated that he has learned how to adapt to different learning environments to study effectively.

To overcome the obstacles, he said he takes the initiative to fill in his learning gaps by just learning what he needs and learning immediately. Throughout his four years of college, he has participated in numerous discipline competitions and project declarations; yet, he has discovered that his abilities are insufficient only after contact; thus, he must now take the initiative to establish a path and ask questions, and study more. To participate in mathematics competitions, for instance, he may be unable to rely on his mathematical analysis and software operation skills. However, he will take the initiative to consult the students and teachers of the School of Computer Science so that he can grow in this learning process, even if his skills are not up to par. And he believes that it is vital to have a level head when it comes to learning, not to be arrogant and that there are many individuals with stronger skills than themselves. Thus it is important to learn to seek assistance with an open mind.

#### **Case 15 – Nong Deli**

Many would assume that this young man has many abilities and the financial means to support each one. Wrong. He must excel in all the activities he pursues one very crucial reason: he needs the funds from each activity to support his education.

To comprehend this young man's fierce determination, one must look back to his childhood. He is the third of four siblings. There are three males and one girl. Nong Deli is 21 years old and was born in Nong Deli. He was admitted to Nong Deli in September and is currently a fourth-year automation student.

Both his parents have completed the equivalent of the junior high school level of schooling. His father is ill and unemployed, his mother is employed, the job security is low, and the family's standing is low. A monthly salary of approximately 3,000 RMB. He observed every hardship his mother endured to provide for their needs. Food was her top priority. During planting season, his mother went to the field to plant rice, earning 100 pesos for a half-work. Day's As soon as she returned home at midday, she would wash the clothes of others. While his mother worked in the rice fields, he cared for her younger sister and performed housework. After a long day of labor in the fields, his mother would be pretty exhausted if she still had to do tasks at home. He speculated that one day he would tour the world with his mother and that one day he would provide her with the comfortable life she deserved.

Nong Deli is an introvert with a low social willingness and excellent interpersonal interactions. He also participates in extracurricular activities such as jogging, fitness, and reading and has joined various student organizations. He is also a member of the school's scientific research team and conducts professional technical innovation and experimental testing.

Nong Deli has several academic accomplishments, such as ranking sixth in the professional academic performance rankings for his grade and major, winning the first prize in the National College Students "AB Cup" Automation Professional Competition, the Guangxi Provincial Gold Award in the National College Students "Internet +" College Student Innovation and Entrepreneurship Competition, and participating in the College Students "Challenge Cup" Competition. In addition, the science and technology competition was awarded third place in Guangxi Province, and the State Intellectual Property Protection Bureau registered five personal software copyrights and utility model patents.

When asked about his difficulties in his studies, he stated that he encountered university adaptation issues, precisely school management discomfort. Upon entering the university, he discovered that the university differed from his expectations. In the university, the school leaves students with a great deal of free time, and students are responsible for managing their own time. In addition, scheduling content is very different from middle school management, where universities advocate for students to independently supervise and complete their studies, whereas, in middle schools, teachers make plans and organize and supervise students to complete their studies; this sudden loosening of restrictions caught me off guard, he often feels a little lost, and he wants to spend this free time playing video games; moreover, discomfort in learning tasks and a desire to play video games are signs of a learning disability.

To adjust, he adopts a proactive strategy. Through self-study, he reviews the general learning tasks and material of the following professional course in advance so that he can comprehend the knowledge, keep up with the teaching progress throughout the class, and watch the necessary content. Using online instructional videos and other tools to review the subject acquired after class and carefully completing homework and activities to consolidate the content, he adopts a practice expansion technique. Theoretical learning is very monotonous, prone to producing monotonous emotions and wasting time. In order to avoid this, he joined the teacher's professional laboratory team. When there is no class assignment, he works with other students in her team to conduct professional discussions, research, and innovation, which makes her professional learning activities much more engaging. He also enjoys this type of academic lifestyle more and more. Adopt a strategy for time management. To efficiently utilize her college free time and avoid wasting time and inefficiency, she created a precise plan and organization of her daily schedule. In addition to exercise, eating, sleeping, and resting, he spent most of his time on professional study. The daily action plan is a "three-point line" of classrooms, laboratories, and libraries. Gradually, the cumulative effect of learning time has been apparent, his academic performance has improved, and his learning efficiency has increased dramatically.

To sustain excellent academic performance To become a great performer, he strives to improve his learning status and efficiency. Typically, he will arrive early to class and choose to sit in the first row, as this allows him to hear better. It is also more conducive to entering the learning state, and the learning effect is favorable. He actively considers and promotes research awareness. In class, he adheres to the thinking and progression of the teacher's lecture, thinks actively and answers the questions posed by the teacher, expresses his opinions on some questions promptly, records the difficult-to-understand questions, and conducts in-depth research after class. Achieved the learning objective of "drawing inferences from one situation to another." He also meticulously completed his assignments and increased his learning depth. After class, he will frequently watch professional-related online courses, self-study the knowledge he does not understand, go to the library to check relevant professional materials to gain an in-depth mastery of professional knowledge, and then go to the laboratory to review experiments and operations. The acquired expertise permits him to comprehend application scenarios and sources of pertinent professional knowledge. He stated that he would not waste time and would maximize his day. Even on Saturdays and Sundays, he would arrive at the classroom at 8:00 a.m. to study for himself, use this time to complete professional homework, preview new course material, read professional journals, etc., and return to the dormitory only when the classroom lights were turned off; he led professional learning through innovation. After joining the teacher's professional laboratory team in his sophomore year of college, he spent most of his free time in the laboratory. He enjoyed conducting professional innovation research in the laboratory more and more since it allowed him to study more deeply. Even beyond the teacher's class topic, the broader professional-related content made his learning in the professional class simpler, and my professional academic performance was also improving dramatically.

When asked about his motive, he responded that he desired to provide his mother with the comfortable lifestyle she deserved. He wanted to build a dream home for his mother because he grew up in a house worse than their neighbor's backyard piggery. He desires to travel around the globe with her mother. He desired to provide her with the vacation she so clearly deserved. He was resolved to continue what he had begun long ago, which was to provide his mother with a standard of living she had never known. This young man was practically on the brink of success, but he was still accelerating. He desired excellence not only for himself but also for his family.



## Conclusions and Recommendations

The following conclusions were derived from the findings of the study.

1. All of the top-performing students had family concerns, such as deceased fathers, a huge family size, or children being raised by relatives or guardians. All of them, however, became inspired and envisioned greater life-altering accomplishments.
2. All top-performing students were tenacious in their pursuit of excellent academic standings. The majority of them had been on the honor roll since primary school and continued to excel in middle school. They were committed to getting good academic rankings. The participants had a difficulty in adapting to the University atmosphere.
3. All the participants had to work hard to get good grades and get scholarships. Without this scholarship, they will not be able to go to school.

Based on the study's results and findings, the following recommendations are provided:

1. Local and national governments must increase the number of programs for high-achieving pupils. The selection procedure must involve identifying the recipients' grassroots, local scale, and socioeconomic status. This must be done diligently because most high-performing pupils are financially disadvantaged.
2. The Ministry of Education Stakeholders and the board should implement a socialized scholarship scheme. To do this, it is necessary to enact a socialized scholarship scheme. This must target students who are underprivileged but deserving.
3. The Guidance Counselor(s) of each school shall offer a school-based seminar concentrating on self-assessment and growth, particularly the psychological needs of the kids other than financial needs and the top performing students. These high-achieving students must have their educational needs reinforced for their behavior to persist.
4. The school administration should establish a library with resources that are always accessible to students. In addition, all universities should construct library buildings so that students who cannot afford academic resources have a place to improve their academic skills. Internet access should also be provided, so students no longer have to rent computers hourly.
5. Future academics should do comparable analyses about government support for high-achieving kids. The results will serve as a springboard for developing initiatives to support students, particularly those with the best performance.

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