

I was born into a single-parent family. Because our family has a large debt to pay, my mother was busy with her work and came home late every day. Ever since I can remember, she always hopes I can be admitted to a prestigious university and find a decent job. At the time, I didn't have any specific goal. All I knew was to get a high score in each exam so that I can compete with others. Therefore, I spent most of my childhood studying. Living up to my mother's expectation, I was admitted to the best university in Taiwan with a ranking in the top 0.7% of the national college entrance examination. However, what I didn't expect was that this turns out to be the beginning of another fruitful journey.

When I was a freshman, I had a hard time finding my passion and adapting to college life. I had been introverted and not interested in social activities in college. Gradually, I became unable to find my self-identity, and along with it, I was less and less confident in my schoolwork. Feeling frustrated, I decided to change my life by myself. After adjusting my learning attitude, I started to look for subjects that I'm interested in and desire to make contributions.

Having tried various directions, I found interest in programming and planned to become a software engineer. Through taking online courses, I quickly became familiar with common object-oriented languages and had done many side projects on my own. To learn more about enterprise-level software development, I joined **Foxconn Advanced Communication Academy** for an internship in my sophomore year. During that time, we had collaborated with Intel to develop a commercial platform for the management of 5G network infrastructure. Meanwhile, in order to earn extra money for my family, I also remotely worked with **BroadMission** on several software projects, including serverless Chatbot, customized CICD tracking tools, and home supervision system. Later, I sought a summer internship at **Cinnamon AI** to gain more knowledge about deep learning techniques, where I developed object recognition applications.

A major life event has completely changed my career plan as an engineer. I had undergone lung surgery in my junior year. During my hospitalization, whenever my mobile phone ran out of battery, I had difficulty untangling the charging cords due to the drainage tube on my chest. Motivated by this event, I aspire to develop more convenient wireless technologies, making ubiquitous wireless connectivity become a reality. After reflecting on my past experiences, I realize that it requires solving the problem fundamentally, instead of manipulating the well-known tools as I did before, to achieve my aspiration. Thus, I made up my mind to pursue research in the area of wireless networks. Despite my GPA was only 2.28 in the semester in which I was hospitalized, I receive an A in both courses "**Introduction to Wireless and Mobile Networking**" and "**Personal Communications Services**" in the following semester.

To delve deeper into wireless research, I joined Prof. Hung-Yu Wei's **Wireless Mobile Network Lab**. Though at the beginning I only gave the weekly reports of my literature review, I enjoyed the process of systematic thinking and solving academic problems. As I gained a better understanding of wireless research, I'm more convinced that it is the subject I've been looking for.

I was officially hired as a research assistant in my senior year as the only undergraduate in the Lab. After completing 3 research projects and co-authored 7 papers in top journals/conferences, I would like to continue my research in wireless communication and networking with graduate training. My long-term goal is to become a researcher in the laboratory of a high-tech company so that I can improve the financial status of my family while pursuing my passion. With both distinguished faculties and integrated courses in your department, I believe pursuing my PhD in your prestigious program will be the best choice to achieve my goal.