

To whom it may concern,

My name is Gabriel Thien and I am a Mechatronics Engineering/Computer Science Undergraduate, ending my second year of study at UNSW. I am currently undertaking engineering and software development courses. My technical projects portfolio can be found [here](#).

I am a dedicated and talented student who loves finding creative solutions and getting involved in exciting projects. I have been involved in various extracurricular activities, allowing me to hone my communication, collaboration and problem-solving skills. I am an enthusiastic and self-initiated worker with an accommodating and easy-going personality, and as a strong believer in mentorship, I believe that learning from professionals is important to develop the intangible skills required to drive things forward. As a result, I believe that my unique experiences provide me with an edge to learn and adapt faster.

As someone with above average technical skills going into university, I'm always looking to get involved in exciting technical projects. At UNSW, I have been previously involved in project-based societies such as Offworld Robotics (space rover development) and Redback Racing (FSAE). Currently, I am involved in UNSW CREATE (experimental engineering & robotics projects) as a projects director, helping establish a space at UNSW for students to experiment in various mechatronics projects.

Since 2017, I have been developing an illustrious technical background by regularly competing in competitive robotics (RoboCup, F1 in Schools, DRC) at the state, national and international levels. I designed and integrated custom electronics, mechanical systems, and machine learning in autonomous robots that used their mechanisms to navigate and modify objects in a course.

In 2022, I competed as the project lead in a sponsored team at the Droid Racing Challenge run by QUT, where we built an autonomous drone that used sensors to navigate a racetrack, winning the competition in overall performance, time and technical expertise.

In 2022, I also worked as a casual machine technician for Archie Brothers arcade, where I performed fault diagnosis, electrical and mechanical repair on various machines in the venue, supporting the technical aspect of the venue.

To contribute to the UNSW social and academic culture, I volunteer as a peer mentor for engineering and computer science students and as a coding tutor for high school students.

I aim to be a major driver in my commitments, striving to make leaps and strides in personal growth while helping the community. I believe that my passion for engineering, computer science and determination is a solid basis of potential.

Thank you for your consideration.

Yours sincerely, Gabriel Thien