

Nicole Leow

Contact

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Professional Summary

High-achieving 2nd year Mechatronics Engineering student at the University of New South Wales. An active executive member in the UNSW Mechatronics Society and team member of UNSW Bluesat UAV. A motivated and fast-learning individual seeking to gain valuable experience in the industry to develop into a proficient engineer.

Education

UNSW Sydney (2021-present)

- Currently undertaking a Bachelor's degree in Mechatronics Engineering (Honours), maintaining a HD (over 85) WAM
- Awarded the International Scientia Coursework Scholarship for full tuition fee remission by the university

Skills

- Fusion 360
- SolidWorks
- Mechanical Design for 3D printing
- Laser Cutting Operations
- C Language
- JavaScript Language
- C++ Language

Experiences

UNSW Mechatronics Society Secretary (2022-present)

-Ensure the smooth running of the society

UNSW Bluesat UAV Team Member (2022-present)

-Initial planning for an autonomous drone for finding bushfires using computer vision

UNSW VIP Connected Health Team Member (2023-present)

-Responsible in developing machine learning modules for statistical analysis to improve the accuracy of image-guided surgical tool in the removal of cancerous oral lesions

UNSW Mechatronics Society Projects Subcommittee (2022)

-Responsible for planning, organising, and running technical workshops and projects
-Involved in planning the annual Sumobots competition

UNSW CSESoc Annual Hackathon (2022)

-Coded a website called Beagle to find credible news
-Used tf-idf calculations and passive aggressive classifier for machine learning

Goldman Sachs Engineering Virtual Internship (2021)

-Completed tasks related to security, encryption and hashing

Work Experiences

Cafe All Rounder (2022)

-Worked closely with other crew members in Shwarmama to provide excellent services to customers

Coding Tutor (2021)

-Focused on preparing materials and teaching C programming language to children and teenagers