

NED LANE

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PROFILE

UQ engineering student specialising in software, seeking an ongoing part-time undergraduate role in robotics or software engineering in Brisbane. Available two days a week during semester, up to three by arrangement, with two weeks' notice.

EDUCATION

The University of Queensland | 2024 to July 2029 (expected)

Bachelor of Engineering (Software) / Master of Engineering (Software)

ENGINEERING EXPERIENCE

UQ Racing

Business Lead and Occupational Health and Safety (OHS) Lead | 2026

OHS Lead | 2025

Incoming Autonomous Vehicle Technical Director | Appointed for 2027

Autonomous vehicle engineering

- Develop ROS 2 software in C++ and Python for the autonomous vehicle, including vehicle control, mission startup and CAN communication between systems.
- Built and maintain the team's multi-WAN router software to manage Starlink, Wi-Fi and mobile hotspot connections and prioritise traffic needed to operate the car.
- Contribute to wiring harnesses, board design and electrical integration for the autonomous vehicle.

Team operations and safety

- Built and maintain the team website in Next.js and TypeScript, including recruitment and sponsor enquiry forms, and manage its hosting.
- Manage team sponsorships, events and social media as Business Lead.
- Prepare and maintain team risk assessments and write operating and safe work procedures for workshop activities, autonomous vehicle testing and public demonstrations.

TECHNICAL SKILLS

Programming: Python, C++, TypeScript

Robotics: ROS 2, CAN

Web and infrastructure: Next.js, Linux, Git

OTHER EMPLOYMENT

Officeworks | Team Member | 2024 to present

- Help customers choose technology products and troubleshoot enquiries. Support checkout and online order fulfilment.

St Joseph's College, Gregory Terrace | Ensemble Technician | 2024 to October 2026

- Helped students learn repertoire and techniques during ensemble rehearsals, including students with diverse learning needs.