Luong Johnny Nguyen

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Motivated fourth-year mechatronic engineering and computer science at the University of New South Wales with a distinction average. I seek to continuously learn more about technology and apply my knowledge in the engineering industry.

EDUCATION

The University of New South Wales (UNSW)
- Bachelor of Engineering (Honours) in Mechatronic Engineering   2021 - Present
- Bachelor of Science in Computer Science   2021 - Present

EXPERIENCE

Systems Engineer, Sunswift UNSW   2023 Jan - Present
- Collaborated with 90+ students across multiple disciplinaries to create a solar car
- Managed interfaces and requirements documentation
- Performed requirement testing and reported faults to technical departments

PROJECTS

Tutor Management App, Major Assignment, COMP3900   2023 Sep - Nov
- Developed a tutor management app using ReactJs and Firestore with 4 other students
- Designed front-end using HTML, CSS, ReactJS and Material UI
- Collaborated with back-end members to integrate and test components
- Utilized Agile methods and Jira to set and meet sprint goals

Backend for Dungeon Game, Major Assignment, COMP2511   2022 Oct - Nov
- Wrote a Java backend using Object Oriented Programming (OOP) techniques
- Organised agile methods such as sprints to plan and complete work on time
- Wrote unit and system tests resulting in >80% coverage
- Researched programming patterns to increase maintainability

Autonomous Delivery Vehicle, Major Assignment, DESN1000   2022 Feb - Apr
- Constructed an Arduino self-driving vehicle with a team of students
- Planned electrical layout for ease of maintaining
- Provided feedback for code to improve functionality
- Researched infrared signal detection to prevent the vehicle from crashing

SKILLS

- Proficient in Java, C++, JavaScript, HTML/CSS, ReactJs
- Basic understanding of Solidworks

EXTRACURRICULAR

Commonwealth Bank - Virtual Experience Program Participant [2020] - [6 hours]

Participated in the open-access Commonwealth Bank Virtual Experience Program with Forage.
Task Completed include:
- Improving UI/UX
- Researching ethics in data
- Conceptual design of AI chatbot