Neil Alombro (he/him)

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Objective

Seeking internship or graduate opportunities within the software engineering industry, particularly drawn to roles focusing on web and mobile app development. I thrive in collaborative team environments, and I am eager to contribute to projects while learning and expanding my skills.

Education

University of Canterbury   **Christchurch, New Zealand**
Bachelor of Engineering (Hons) in Software Engineering   2021 – 2025
- **Overall GPA:** 7.19 / 9.00 (A-)
- **Most Recent Semester GPA (2023 S2):** 8.50 / 9.00 (A/A+)
- Second Year Electrical and Electronic Engineering in 2022 before changing to Software Engineering.

Mount Hutt College   **Methven, New Zealand**
NCEA Level 1, 2, 3 Excellence Endorsements   2014 – 2020
- Dux, Best All Around Boy, Deputy Head Boy, Student Trustee
- NZQA Scholarship Calculus (Top ~3% in New Zealand), UC STAR Program - MATH 199

Technical Skills

Languages: Python, Java, Kotlin, JavaScript, TypeScript, SQL, C#, C
Libraries/Frameworks: React, Vue, Node.js, .NET, JavaFX, Leaflet, JUnit, Cucumber, ROS
Other: HTML, CSS, MySQL, SQLite, Git, Gradle, Bash

Relevant Work Experience

Aurecon   **Christchurch, New Zealand**
Student Consultant   Nov 2023 – Present
- Internship from Nov 2023 to Feb 2024, Part-Time from Feb 2024 to present.
- Technologies: C#, JavaScript, TypeScript, React, Vue, D3.js, Speckle
- Worked in a team of software developers that work on internal-facing products such as an internal 'Geometry' library, a script-sharing web application 'Script Library', and an intern-led project based on linear infrastructure design.

UCVision (Computer Vision Research Group)   **Christchurch, New Zealand**
Summer Research Assistant   Dec 2022 – Feb 2023
- Technologies: Kotlin, XML, Python, OpenCV, ROS
- Developed an Android mobile app for a drone controller to establish communication to a drone's onboard NUC for catkin and branch pruning. In conjunction, a point-based object selection and tracking Python script was also developed.

University of Canterbury   **Christchurch, New Zealand**
Tutor   Jul 2022 – Present
- Tutoring COSC 131 (Introduction to Programming for Engineers) students to learn how to program in the Python language in 'Peer Assisted Learning Sessions'.

Kaitaki Ākonga – Service Coordinator   Nov 2021 – Nov 2022
- Part of a team of six leaders of the He Tētēkura Emerging Leaders Scholarship Development Program. Mentored a group of students through their first year of university and organised the service portion of the program.

AHeadStart Ltd   **Christchurch, New Zealand**
Tutor   Feb 2021 – Feb 2023
- Tutoring secondary school students in NCEA subjects I excelled in within the Math, English, Science, Business, and Technology fields. Also tutored some primary school students in basic literacy and numeracy.

Projects

SafeTrip   **Jul 2023 – Oct 2023**
- Java, JavaScript, SQL, JavaFX, Leaflet, JUnit, Cucumber, Checkstyle
- Completed as a team project as part of the course SENG 202. The desktop application uses NZ crash data from Waka Kotahi to create safety-informed journeys and analyses areas through a safety rating and data visualization through data graphing, crash heatmap, and mapping crash locations.

Difficulty Coach   **May 2023 – In Progress**
- TypeScript, Vue, Node.js, MongoDB, Azure, Postman, Swagger
- Self-driven project that calculates difficulty scores on gymnastics routines. Difficulty scores are based on the Code of Points and help automate routine creation compared to the current hand-calculated alternative.

assessed   **Oct 2023 – In Progress**
- Swift, SwiftUI, SwiftData
- Self-driven project to create a macOS app that helps students keep track of their assessment due dates and grades through an assessment calendar and GPA calculator.

Honours and Awards

University of Canterbury Undergraduate Scholarships
- Aruhiko – Power Engineering Excellence Trust Undergraduate Scholarship
- Vice Chancellors Excellence Award (Course Taken: TREO 110)
- Gertrude Ardagh Holmes Bursary Fund

First Year Scholarships
- UC Hiranga Scholarship (Academic Excellence)
- UC Horomata Scholarship (Emerging Leader)
- UC Electric Power Engineering Centre Scholarship
- Rainbow NZ Charitable Trust's Aurecon Scholarship
- Advance Ashburton's Glass Family Trust Scholarship
- EA Networks Jubilee Scholarship Award

Mount Hutt College – Graduating Prizegiving Awards
- Rotary Club of Ashburton and Philip Wareing Ltd Cup for Mount Hutt College Dux
- Board of Trustees' Best All-Round Boy for Mount Hutt College
- Top Subject Prizes - Accounting, Digital Technologies, Economics, Calculus, Statistics, Physics

Community Involvement

QCanterbury
President (2023), Secretary (2022)
- Rainbow students club that facilitates a safe social environment through social events that range from a year-end Ball, board game nights, and holding study spaces.

Student Volunteer Army
Treasurer (2024), Platoons Leader (2023)
- Student-led volunteering club that holds large-scale events each term and smaller volunteering opportunities each week of the schooling year.

High School Leadership
Deputy Head Boy (2020), Student Trustee (2019), Ashburton Youth Councilor (2018 - 2020)

Interests

I played tennis throughout high school for Mid Canterbury and competed in national competitions in golf croquet. I play tennis and badminton socially and enjoy watching gymnastics in my spare time. I have also started participating in programming contests in a team of software engineering students.