CALEB COOPER

Software Engineer

CONTACT

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TECHNICAL COMPETENCIES

Languages
Python, Java, JavaScript, TypeScript, C#, SQL, HTML, CSS

Technologies/Frameworks
React Native, ReactJS, Spring Boot, Flask, .NET, JavaFX, Vite, JUnit, Playwright, Docker, nginx, CI/CD Pipelines, Git

PROJECTS & EXTRA-CURRICULAR

Cartsy
Part of a pair building a cross-platform mobile app to help students and low-income households save money on groceries, aggregating daily updated pricing data from NZ supermarkets. Features include barcode scanning, price-drop alerts, shopping list management, and price trends visualisation - currently in active TestFlight beta.

Personal Website
Portfolio website to display projects I have worked on, using ReactJS and CSS. Built to support the easy addition of projects going forward using a builder pattern.

PDF to Anki Flash Card Converter
Built a web app to convert PDF lecture notes into Anki flashcards using the OpenAI API, after finding it sped up my own exam revision. Wrapped a Python/Flask backend in a clean UI with configurable settings, including GPT model selection, containerised with Docker and served via nginx.

IMC Prosperity 2025
As a team, competed with individuals and teams from all around the world in a 15-day trading challenge. We created algorithmic and manual trading strategies, resulting in our team placing in the top 10% overall.

EXPERIENCE

Trimble NZ
November 2025 – February 2026
- Software Developer in Test Intern working with Trimble Forestry, supporting the development and testing of forestry software products in a SCRUM environment.
- Developed and maintained automated test suites using Playwright to support regression and functional testing.
- Worked closely with developers and QA engineers to coordinate testing efforts and improve software quality.

Allied Telesis Labs NZ
November 2024 – February 2025
- Software Engineering Summer Intern tasked with investigating a replacement for an outdated IxANVL automated standards-based testing suite.
- Working with a highly experienced team, exchanging ideas and gaining valuable industry insights.
- Quickly adapted to enterprise networking equipment despite no prior experience.
- Researched AI integration into the company's development process and presented key recommendations that influenced their AI adoption strategy.

Vodafone NZ
November 2022 – February 2023
- Summer OSS/BSS Software Engineering Intern redesigning a back-end interface using Grafana to deliver easier-to-understand status information of key services to the developers.
- Learned C# and SQL on the go while working in an experienced SCRUM team. This gave me key beneficial insights into how teams work efficiently in industry.
- Presented final work to the team, improving my ability to communicate technical findings effectively.

SPORTING AND INTERESTS

Skiing, Football, Running, Bouldering, Social sports, Cooking

REFERENCES

Available on request.

ACHIEVEMENTS

- University of Canterbury Hiranga Scholarship for Academic Excellence
- Duke of Edinburgh Bronze, Silver and Gold Awards
- Spirit of Adventure 10-Day Development Voyage

EDUCATION

University of Canterbury
February 2023 – Current
- Currently in my final year of study towards a Bachelor of Engineering (Hons), majoring in Software Engineering. (7.25 GPA)

Auckland Grammar School
February 2018 – November 2023
- Studied and completed Cambridge A Level History, Economics and Mathematics as well as English, Spanish, and Classical Studies at Cambridge AS Level