Mikai Somerville

www.mikaisomerville.com | www.linkedin.com/in/mikaisomerville | github.com/mikais13 | mikai.somerville@gmail.com | (+64) 02108705614

Education

The University Of Auckland | Waipapa Taumata Rau

Bachelor of Science (BSc) majoring in Computer Science   Feb 2024 - Nov 2026
- **9.0/9.0 GPA** - **A+** average
- **Relevant Courses:** Algorithms and Data Structures, Object-Oriented Programming, Software Development Methodologies, Applied Algorithmics, Computer Organisation, Discrete Mathematics, Calculus and Algebra

Relevant Experience

Full-Stack Developer   Apr 2025 - Present
WDCC - Web Development and Consulting Club
- Enhancing the Auckland University Badminton Club's web app for **>1,000 active users** utilising a **Next.js** frontend in **Typescript**, using **Yamada UI** styling, and a backend implemented with **Payload CMS** and **MongoDB**
- Building full-stack unit and integration tests using **Vitest**, and documenting UI components using **Storybook**
- Collaborating in an **Agile** environment with 10 team members using **GitHub** workflows, and **CI/CD** principles

Research and Development Intern   Nov 2024 - Feb 2025
PGG Wrightson
- Developed an **industry-first computer vision** program with **OpenCV** and **NumPy** in **Python** to measure kiwifruit size using **ToF RGB-D imaging** technology
- Completed a comprehensive **research project** including literature review, scientific report, and presentation
- Performed **data analysis** with **Microsoft Excel** for experimental trials on kiwifruit biostimulants

Projects

Personal Portfolio Website   Deployment | Github
- **Technologies:** React, Javascript, Sass, React Router, Framer Motion
- Designed and developed a **responsive** website using **React**, and **Sass**, along with **Framer Motion**, to display my experience, projects, skills, and further information about myself
- Deployed using **Vercel** and a custom domain

Premier League Match Predictor   Github
- **Technologies:** Python, Scikit-learn, Pandas, Beautiful Soup
- Implemented a **Random Forest Machine Learning Model** through **Scikit-learn** in **Python**, to predict the outcome of Premier League matches, improving accuracy to 64%
- Performed **web scraping** with **BeautifulSoup** to gather data, captured in **Pandas**, about EPL matches

Technical Skills

Programming Languages: Typescript, Python, Java, SQL, C, R, HTML, CSS, PHP
Frameworks and Libraries: React, Next.js, OpenCV, NumPy, Pandas, Scikit-learn, Tailwind CSS, Framer Motion, Yamada UI, Vitest, Payload CMS, Storybook, Tkinter, JavaFX
Technologies: Git/GitHub, Visual Studio Code, Microsoft Office

Awards

- The University of Auckland **Top Achiever Scholarship** - valued at $25,000
- **First in COMPSCI 130** - Introduction to Software Fundamentals - Python, **Algorithms and Data Structures**
- Awarded **"Most Overengineered"** in the 2025 WDCC x SESA Hackathon and **"Most Production Ready"** in the 2025 WDCC x Partly Hackathon
- **Dux** of Katikati College 2023 for Highest Academic Achievement
- Outstanding Scholarship (**Top 0.3% of Students**) in Biology, and Scholarship (**Top 3% of Students**) in Physics