Rivah Somerville *He/They*

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EXPERIENCE

Landkind – *Summer Intern* NOV 2025 – FEB 2026

- Assisting with software development projects, including coding, testing, documentation, and team meetings.
- Developing an intern project with a team member using *React*.

Tamhai Limited / TestCaddy – *Summer Intern* NOV 2023 – FEB 2024

- Gained hands-on experience in *web development*, *server management*, and *automated testing.*
- Enhanced TestCaddy web application functionality using *C#*, *.NET*, *JavaScript*, and *CSS/SASS*.
- Updated cloud servers in *Jenkins* and *Azure*, and integrated automated tests using *Playwright* with *Azure* pipelines.
- Managed version control with *Azure* and *SourceTree*, and kept track of issues using *Jira*.

EDUCATION

University of Auckland – *Bachelor of Engineering (Honours) in Computer Systems* FEB 2021 – NOV 2024

- Developed skills in **research**, **critical thinking**, and **academic writing.**
- Collaborated with peers on **large-scale group projects** to meet deadlines and deliver quality results.
- Demonstrated ability to manage workload effectively while balancing multiple commitments.

Katikati College – *NCEA Level 3 Endorsed Overall with Excellence* FEB 2013 - DEC 2020

- I graduated with **Proxime Accessit** or runner-up to Dux (top-achieving student).
- I took on the roles of **Academic Captain**, **Peer Support Captain** and **Academic Tutor**.

PROJECTS

Portfolio Website – [*rivahsomerville.com*](rivahsomerville.com) – [*GitHub*](GitHub)

- **Skills:** React, JavaScript, HTML, CSS, React Router, Material UI, EmailJS.
- Designed and developed a *responsive, multi-page website* using *React* with largely *vanilla CSS* in order to gain experience with React, develop my understanding of CSS, and display my skills as a portfolio.

Trading Profitability Machine Learning Model – [*UoA Engineering Part IV Project*](UoA Engineering Part IV Project)

- **Skills:** Python, Machine Learning (Random Forest, SVM, MLP, RL), Data Collection, Feature Engineering, Model Evaluation, Research, Team Work.
- Final year research project for BE. Worked with a partner to develop a machine-learning model to optimise financial trading parameters.
- Conducted **research, collected data, performed backtesting, trained various machine learning models, and explored reinforcement learning techniques**. Presented findings to industry members on exhibition day.

SKILLS

- **Programming Languages:** JavaScript, Java, C, Python, HTML, CSS, TypeScript, C#, VHDL, MATLAB.
- **Frameworks and Libraries:** React, Next.js, NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn, Matplotlib, Jupyter Notebooks, .NET.
- **Technologies:** GitHub, Azure, Jira, Visual Studio, Jenkins, Playwright, Android Studio, LTSpice, Proteus, Quartus, Microchip Studio.

ACHIEVEMENTS

- **UoA Faculty of Engineering Kick Start of Sails Award** – valued at $2000.
- **UoA Accommodation Residential Excellence Award** – Category of Whanaungatanga (Community).
- **BOP Education Trust Scholarship** – valued at $6000.
- **Proxime Accessit** of Katikati College 2020 – Runner-up to Dux (top-achieving student).