

EXPERIENCE

- **FNZ** Wellington, NZ
Analyst Developer *Sep 2021 - Present*
 - **Developer Experience:** Worked on improving and supporting development across the Company with responsibilities around internal tooling and integrations, core parts of the main code bases and Developer Experience.
 - **Full Stack Dev:** Worked as a full stack developer on projects for clients working on both the react frontend, dotnet backend and the Microsoft SQL server backend database.
- **Te Herenga Waka — Victoria University of Wellington** Wellington, NZ
Research Assistant *Oct 2021 - Nov 2022*
 - **Infrastructure:** Designed and built infrastructure combining Cloud SaaS services and custom programs to intake sensor data from IoT sensors and store in distributed data storage.
 - **Research:** Helped with research around different areas of the project from implementing hardware to researching background information and writing technical and research reports.
- **Matamoe Hub** Wellington NZ
Founder *Nov 2020 - May 2021*
 - **Course Design:** Designed, wrote and delivered free programming technology courses to students from year 5 to year 13. These courses covered Scratch, Python, HTML/CSS/JS, Robotics, Computer Vision and Machine Learning.
 - **Funding:** Secured 250k (NZD) in funding for a 3 year period from industry sponsors.

EDUCATION

- **Te Herenga Waka—Victoria University of Wellington** Wellington, NZ
Bachelor of Science in Computer Science *Feb. 2021 – present*
- **HarvardX** EdX, Online
CS50 *2019*

PROJECTS

- **VicCTF2022:** Ran a Cybersecurity Capture the Flag competition for all high school and university students in New Zealand.
- **Homelab:** Homelab consisting of several servers in a kubernetes cluster, selfhosting a variety of services. Also functions as a testing environment for development.
- **Nitrate water sensor network:** Decentralised sensor network for Nitrate based water quality sensors.
- **VicVerify** Verification system for Te Herenga Waka - Victoria University of Wellington students on Club and course discord server

PROGRAMMING SKILLS

- **Languages:** Python, Typescript, C/C++, SQL, Rust, Java, C# **Technologies:** AWS, React, Dotnet, Docker, Kubernetes **Areas:** Full Stack Dev, Cybersecurity, Devops, SysAdmin

AWARDS

- **VUWSA Blues Awards, Runner Up Club President, Top Faculty Club** 2022
- **NZ Cyber Security Challenge, Team Covid_Brain, Grand Champions (1st)** 2022
- **NZ Cyber Security Challenge, Solo, 5th National, 3rd Tertiary** 2021
- **Wild at Heart Community Spirit Award** 2020
- **Selected to Represent NZ at Robocup World Championships** 2019, 2020

VOLUNTEER WORK

- **Chair and Head of Operations, Tūhura Tech (2022-Present):** : Founding board member and current Chair of the Tūhura Tech charitable trust. Also head of operations running day to day tasks and working with partners, sponsors and schools on supporting kids education in technology.
- **Kiwibots Regional Coordinator (2021-Present):** : Help coordinate regional teams, volunteer support and help with other Kiwibots events in the area and outreach to students and schools. Also served as Head Referee for middle school at the 2022-2023 VEX IQ NZ nationals.
- **Faculty of Engineering Student Representative (2022-Present):** : Worked with Faculty, the Student Union and other bodies on representing Students within the Faculty of Engineering. Also run the Victoria Engineering Club Representation Team.
- **President of the Victoria Engineering Club (2021):** : Setup and ran the club growing to an organising team of 60+ students across 8 internal clubs with over 500 members. Gathered over \$4000 (NZD) in funding from partners and ran over 30 events with collaborations both University and nationwide.
- **Vice-President of Victoria Robotics and Mechatronics Club (2021):** : Helped organise events and competitions and was responsible for day to day operations.
- **Ran Code Clubs (2016-2020):** : Ran and taught at several Code Clubs for Year 5-8 students, teaching Scratch, Python, HTML/CSS/JS and Robotics.