

Leon Bowie

Wellington, NZ
leon@bowie-co.nz

GitHub: Darkflame72

Hi, my name is Leon Bowie. I'm a student with a love of technology, security, robotics and a good challenge. I love to explore technology across many different fields and can be found working on my HomeLab or working on projects. I have a passion for the community and can be regularly found running programming classes or organising events. I'm a dedicated worker, enjoy working in a team and put my all into everything I do.

EXPERIENCE

Intern Analyst Developer <i>FNZ</i>	Sep 2021 — Present <i>Wellington, NZ</i>
<ul style="list-style-type: none">Developed and maintained internal toolingWorked on DevOps for existing and new projectsFull Stack Development with React.js frontend and Dotnet backend.	
Research Assistant <i>Victoria University of Wellington</i>	Oct 2021 — Present <i>Wellington, NZ</i>
<ul style="list-style-type: none">Designed and managed an embedded water monitoring setupBuilt and maintain communications infrastructureSupported research across the project.	
Head Tutor / Established <i>Matamoe Hub</i>	Nov 2020 — 05 2021 <i>Wellington, NZ</i>
<ul style="list-style-type: none">Campaigned and established a community based technical centre at Scots College that delivered programming, robotics and code clubs to the communityTaught courses involving Python, Computer Vision and JavaEmployed as the head tutor to create content and deliver courses for students	
Founded / Head of Operations <i>Aspiring Computer Science Trust</i>	2016 — 2017 <i>Wanaka, Otago</i>
<ul style="list-style-type: none">Established Charitable Trust for Technology educationRan free Code Clubs for Year 4-6 StudentsOrganised fundraising events	

EDUCATION

Bachelor of Science in Computer Science and Minor in Mathematics , <i>Victoria University</i>	2021 — Present
CS50 , <i>HarvardX, EdX</i>	2019

ACTIVITIES

Ran and organised the Victoria University CTF Tournament	April 2022
President of Victoria Engineering Club	2021 — Present
Faculty of Engineering Delegate for Victoria University	2022 — Present
Vice-President of Victoria Robotics and Mechatronics Club	2021

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SKILLS

Problem Solver

I'm a strong problem solver who approaches problems from a creative perspective. When approaching a problem I consider all the different aspects and also the solutions that will have the best long term success rather than the easiest. This has helped me tremendously in both an academic setting but also with working on projects as it enables them to be setup for success from the beginning.

Leadership

Currently running the Victoria Engineering Club where I coordinate and motive over 50 students in representing, organising and supporting students across the schools of computer science and engineering. Combined with my experience of running non-profits and programming projects I'm able to look after all members of the team and get their best.

Integrity

Everything I do if its from a academic project worth nothing to mission critical code is done to the best of my ability without any shortcuts. This integrity is core to what I do enabling me to be proud and take responsibility for everything I do. Without this I would be unable to properly represent students across the university or work on mission critical programs.

Communication

Communication is central to what I do making sure everything is communicated clearly. People are happy to come and work on projects with me as everything is clear with what is being done and its current progress. I've been trusted with working with sponsors and partners and communicating current status and future plans.

TECHNICAL SKILLS

Python

- Worked on several open source libraries including maintaining
- Used Computer Vision and AI for Robotics Competitions
- Gained an understanding of API development by working on complex applications

TypeScript / Javascript

- Contributed to frontend applications built on TypeScript using both React and Vue
- Worked on backend applications using node with a variety of api's and applications.

Docker/K8S

- Moved several existing applications into containers for easier development and consistency with production
- Designed and maintained deployments of autoscaling applications across Kubernetes using my homelab

SysAdmin

- Run HomeLab with a variety of machines and applications
- Run applications and services for Victoria Engineering Club and Tūhura Tech

AWARDS

NZ Cyber Security Challenge, team Covid_Brain, Grand Champions (1st)

2022

NZ Cyber Security Challenge 5th National, 3rd Tertiary

2021

Wild at Heart Community Spirit Award

2020

Selected to Represent NZ at Robocup World Championships

2019, 2020