

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, robotics and challenges. I am involved with several open-source projects and love to explore new technology and create reliable applications. 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 am a natural leader.

EXPERIENCE

Intern Analyst Developer <i>FNZ</i>	Sep 2021 — Present <i>Wellington, NZ</i>
<ul style="list-style-type: none">Developed and maintained internal toolingBackend API developmentFrontend React developmentWorked on applications involving .NET, SQL and React.js	
Research Assistant <i>Victoria University of Wellington</i>	Oct 2021 — Present <i>Wellington, NZ</i>
<ul style="list-style-type: none">Designed and construct remote sensorBuilt and maintain communications infrastructureSave data to Robonomics ParachainResearch Timeseries data storage inside of BlockchainBuild Frontend Visualisation webpage in ReactJS	
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> <i>CS50, HarvardX, EdX</i>	2021 — Present 2019
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ACTIVITIES

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 30 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 for Robotics Competitions
- Gained an understanding of API development by working on complex applications

C#

- Gained familiarity with .NET on backend API's and services
- Learnt how to use entity libraries and combine with other applications to provide a full solution

TypeScript

- Learnt how to migrate Javascript to TypeScript applications
- Contributed to frontend applications built on TypeScript using both React and Vue
- Worked on backend applications using node and built applications in next.js

Docker

- 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

AWARDS

NZ Cyber Security Challenge 5th National, 3rd Tertiary
Wild at Heart Community Spirit Award
Selected to Represent NZ at Robocup World Championships

2021

2020

2019, 2020

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REFERENCES

Alex Potanin , Associate Dean of Students, Victoria University, Lead Researcher Agridata Trade	(021 201 6740)potanin@gmail.com
Puru Sakthivel , Senior Manager – People Development, FNZ	(021 319 82) puru.sakthivel@fnz.co.nz
John Barrow , Board Member - Tūhura Tech	(022 342 4328) john.barrow@protonmail.com
Ajay Quirk , Head of Operations - Aspiring Computer Science Trust	ajay@acst.co.nz