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   Sep 2021 — Present
FNZ   *Wellington, NZ*

- Developed and maintained internal tooling
- Backend API development
- Frontend React development
- Worked on applications involving .NET, SQL and React.js

Research Assistant   Oct 2021 — Present
Victoria University of Wellington   *Wellington, NZ*

- Designed and construct remote sensor
- Built and maintain communications infrastructure
- Save data to Robonomics Parachain
- Research Timeseries data storage inside of Blockchain
- Build Frontend Visualisation webpage in ReactJS

Head Tutor / Established   Nov 2020 — 05 2021
Matamoe Hub   *Wellington, NZ*

- Campaigned and established a community based technical centre at Scots College that delivered programming, robotics and code clubs to the community
- Taught courses involving Python, Computer Vision and Java
- Employed as the head tutor to create content and deliver courses for students

Founded / Head of Operations   2016 — 2017
Aspiring Computer Science Trust   *Wanaka, Otago*

- Established Charitable Trust for Technology education
- Ran free Code Clubs for Year 4-6 Students
- Organised fundraising events

EDUCATION

Bachelor of Science in Computer Science and Minor in Mathematics, *Victoria University*   2021 — Present
CS50, *HarvardX, EdX*   2019

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 then 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	2021
Wild at Heart Community Spirit Award	2020
Selected to Represent NZ at Robocup World Championships	2019, 2020