

## Objectives

Having recently completed a Master's in Artificial Intelligence from the University of Canterbury, I am eager to transition into roles that leverage my expertise in data analysis, development, and fields in between. I have a strong background in IT for L1 and L2 B2B clients, including secondary schools in NZ. My academic experience spans a wide range of development and analysis tools, and my professional experience a great range of industry standards and platforms. I am now seeking opportunities to apply these skills meaningfully.

## Experience

### PCMedia – South Island NZ / South Canterbury NZ

2022-2024

#### IT Specialist

Full time South Canterbury 2022-2023, Casual entire South Island in 2024 (as studying)

I provided onsite IT support to Secondary schools in a cloud first environment

- Delivered L1 and L2 support to existing clients, including secondary schools.
- Managed website hosting, troubleshooting, and performed simple web maintenance
- Administered Google Admin, Azure/EntraID, and Azure appliances and onsite Windows and Linux Servers.
- Installed hardware onsite, including client computers, servers, and networking infrastructure—this included major equipment transitions, such as supermarket networking gear.
- Wrote and maintained standardized documentation to reduce the 'takeover latency' between technicians.
- Completed Contract IT work for major ISP including 'IT health checks' where I went through an in-depth and extensive audit of a business' IT infrastructure, needs and growth.
- Experience with Grandstream, Ubiquiti and MicroTik Networking hardware, running cables and general managed switches and routers and common topology and protocols.
- Worked onsite occasionally with students, but with staff to achieve productive outcomes in sites transitioned to Cloud First.
- Maintained strong B2B relationships with clients, ensuring ongoing support and satisfaction.
- Provisioned new hardware through MDM and zero touch but also with custom images for clients.
- Wrote internal scripts in PowerShell and Python to standardize rollouts and migrate clients to Single Sign-On (SSO), among other tasks.
- Provided repair and maintenance for hardware, including laptops, servers, AV equipment, and CCTV systems.

### Noel Leeming Ltd (The Warehouse Group)

2019-2022

### Technician – Noel Leeming Tech Solutions

- Installed AV, compute products to consumers homes
- Small Business IT network deployment
- Usually exceeded sales KPIs, including sales targets, time targets and SLA- esque agreements.
- Installed hardware onsite, including

## Education

### Masters Of Artificial Intelligence

**2024-2025**

- Focused on data analysis papers, machine learning ,deep learning.
- Strong use of R, Python, Spark (distributed computing). Also regression analysis, data analysis and methods for working with large data to construct useful models

### Bachelor of Science – Computer Science

**2017-2019**

- Algorithm design, analysis
- Embedded programming, C, memory management therein
- OOP with Java including MVC / Class / Obj diagrams etc
- Strong use of R, Python, Spark (distributed computing). Also regression analysis, data analysis and methods for working with large data to construct useful models
- Testing (JUnit) for Java

## Proficiencies

- Python, Web (JS, CSS, HTML, REACT, VUE also SQL and MongoDB), I taught myself react for *fun*.
- C, C++ and a bit of embedded programming
- Linux / Win & Azure / Entra, including administration work for servers managing VMs, backups as most of our sites @PCMedia are virtual servers.
- Kotlin, Java and a little swift.
- Frameworks such as apache spark, Tensorflow, keras and R for data analysis.

## Projects / Things I've made

### NZ's very, very briefly, top downloaded Google Chrome Extension

No-more-marketplace removed the third-party *marketplace* sellers from a major NZ retailer's website. Briefly becoming the most active New Zealand Reddit post.

The retailer has since *fixed* the filter and the extension has been withdrawn from the chrome web store, however code is still available in my github.

### Responsive Portfolio Website

2of.io is written in REACT with minimal extra libraries and acts as a bit of an online portfolio and side project in one. As at 18/02 it's in progress, however the code is viewable at [github.com/2of](https://github.com/2of). The site is fully responsive and has several *cool* handwritten react components.

### Machine Learning Multi Neighborhood Geolocalization Model

**Capstone project for the Master's of AI at University of Canterbury.** Graded: **A**. This machine learning model learns GeoLocation from street level images using a variety of machine learning models to an accuracy of around a kilometer. This was written and architected from scratch in python and leveraged industry standard machine learning tools such as Keras and Tensorflow. The full prediction protest contains several discrete Models. The entire proposal, code and report are viewable on my github profile.

Smaller Uni Projects:

- Full stack petition site with Node.js and Vue.
- Big data processing and song prediction from the *Million Song Dataset* based on latent features of audio.
- Various projects in C, python and data analysis in R, all viewable (as coursework) in the github repo

## References

[Lee Harper – Cloud Evangelist – PCMedia LTD](#)

Contact Information

[Wilfrid Robinson–South Canterbury Lead Tech– PCMedia LTD](#)

Contact Information