

# Noah King

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## Profile

I'm a recent graduate for the Master of Artificial Intelligence Qualification through the University of Canterbury. I keep a catalogue of work on my entirely custom REACT portfolio website 2of.io. I have strong experience working in IT roles across the South Island in New Zealand. Including being head hunted for my current contract. I've done everything from writing scripts to smooth out a 100k+ user migration to climbing on dairy sheds to install point to point WIFI kit. My career objective now is to make a switch into a development focused role. I have a bachelor's in computer science and Master's in Artificial Intelligence. I write good, well-structured code. I'm located in Otautahi CHCH but am open to anywhere in New Zealand.

## Skills & Abilities

- Python, Apache Spark, HDFS
- PyTorch, Tensorflow inc. Heuristic analysis, NN design, optimization, evaluation.
- NodeJS, JS, HTML, REACT, CSS, REST API (consumption & implementation)
- R, Large Data Processing, Regression Model Design inc. Forrests, trees, Lasso etc
- Code Design inc. UML, OOP and Version Control i.e. Git.

## Projects

> GeoGuessr 'bot' (Geolocalization of street level images from latent features). Python, Tensorflow, PyTorch (both), Large Data processing. Design and implementation of NN models, Attention, CNN's and regression models. Achieved an improvement over the distribution of 150k images in a 20km<sup>2</sup> zone to geolocate images based on features such as text, context, object detection and colour space. Graded A. Master of Artificial Intelligence Project @ University of Canterbury [Code & Thesis Here](#)

> Fully Responsive Personal Portfolio Website inc. Custom UI library from scratch in REACT. (Viewable over at 2of.io). Aside from utility libs such as react-router, entirely written from scratch using REACT. Includes dynamic routing, a fully custom article embedding structure which is used to embed and render content in an efficient and structured way. The site also includes a rudimentary editor for generating these articles. Supports loading articles from offsite. [Hosted Here](#) | [Code Here](#)

> Tensorflow for emulating mouse input with an RGB camera. [Code Here](#)

> NZ's #1 featured Chrome Extension (very briefly). [Writeup Here](#)

> Weather Analysis and rainfall (likelihood per locale) prediction using big data [Writeup \(UC Project\)](#) [Python, Notebooks, HDFS, Spark for distributed processing]

*Many more miscellaneous University work too is available per my GitHub [repos](#)*

## Work History

### FLOORWALKER / MIGRATION PROJECT SUPPORT – TEWHATUORA | HEALTHNZ

Fixed term contract March-October 2025 – DTSL Ltd (B2B contract to TeWhatuOra, HNZ)

- Provide L2 support for the TeWhatuOra Migration Project for ~100k users and shaped documentation and support process.
- Set policy and process for Microsoft Entra, OnPrem AD, Exchange and OnPrem Exchange.
- Support the design of self service guides for users for this process.
- Onsite Support around South Island NZ as required.
- Powershell + Py scripts as required.
- Support access requirements and data processes for a swath of medical applications.

### IT PROJECT SUPPORT + MSP SUPPORT – PCMEDIA LTD

Full Time + Contract Work as required through South Island NZ (B2B IT + Secondary Education IT Provider) (2022-2024)

- AaD, Google Admin Portal, inTune MDM (packaging applications and deployment)
- Network design and network setup. Ensured successful delivery of NCEA digital exams to blocks of ~160 students in a 'purpose built' network with limited resource.
- B2B IT solutions guidance. Upgrade and implement new network hardware as required for each business we had as clients, usually grandstream and ubiquiti products / stack.
- Migrate users to Microsoft sharepoint, entra etc as required by the business.
- All of the IT odds-and-ends; Powershell scripting, python scripts as needed, hardware repair, maintenance, security campaigns and so on.
- B2B business case, sales
- Also I'm an HP-Certified Technician.

### TECH SOLUTIONS TECHNICIAN + SALES – NOEL LEEMING GROUP LTD

Timaru NZ | CHCH NZ | (20219-2022)

- Installed AV products, Security cameras into clients' homes around South Canterbury and North Otago
- Install home networking products, computers as required.
- Meets and typically exceed sales targets
- Hosted training events for other staff; liaise with reps and merchandise.

## Education

### MASTER OF ARTIFICIAL INTELLIGENCE | FEB 2025 | UNIVERSITY OF CANTERBURY | MERIT

Master's Project hosted on my [Github](#). I designed a GeoLocalization model (set of models) which used custom embeddings from fine-tuned object detection models to improve prediction over the image distribution in a 20km<sup>2</sup> area from ~150k images. Focus on Data Science and Machine Learning with Tensorflow & PyTorch. Includes building discrete regression models, classification models using R and Python. Handling large data sets. Neural Network design and Heuristic analysis. A selection of the accompanying coursework is available through my Github.

## **BACHELOR OF COMPUTER SCIENCE | FEB 2020 | UNIVERSITY OF CANTERBURY**

Strong proficiency with Web Design through JS / HTML / NodeJS | Python | Java and weaker proficiency with including C | C++. Algorithm design, analysis, version control, OOP design and UML .

More info at [about me](#)