

Maxwell Clarke

BACKGROUND

I'm currently a Master's student at Victoria University, Wellington, New Zealand.

I am doing a thesis in machine learning — training and applying transformer models using TensorFlow. In my free time, I build my own programming language using Rust, go rock climbing, and dabble in game development with the Godot game engine.

I am involved in Effective Altruism, a social movement which asks how we can do the most good for the world with our resources. I want to use my career to help solve the world's most pressing problems.

EDUCATION

2022

Master of Science in Computer Science.
Victoria University of Wellington, Wellington, NZ.

2018

Bachelor of Science in Computer Science.
GPA 8.15 (A/A+ average).
University of Canterbury, Christchurch, NZ.

EXPERIENCE

2019 - 2020

Software Developer, Intranet Consulting, Christchurch.

Intranet is a small consulting company which does bespoke software development. During 2019 & 2020 I worked on: A blockchain data analysis project, a crypto token integration project, workflow web apps for Ryman Healthcare, and a machine learning project for live traffic counting.

2017 - 2018

Junior Software Developer, Intranet Consulting, Christchurch.

Full-stack web development for Cryptopia, a Christchurch-based cryptocurrency exchange. As they rapidly grew, I worked on improving their web platform using JavaScript, .NET/C# and SQL Server.

2015 - 2016

Intern Software Developer, Verizon Connect, Christchurch.

Verizon Connect (formerly Telogis) is a US-based Vehicle Telematics provider. I was a full-stack web development intern for the Customer Tools team. I worked full-time during the summer, then continued part time.

EXTRAS

Programming Language

I have developed **my own programming language**. It is a dynamic language with an effect system, developed in Rust, with plans to compile to WebAssembly. See it [here](#).

Student Exchange

I spent the first half of 2017 in **Uppsala, Sweden**. I studied there for one semester, then went on a train journey across Europe. It was a great experience, and I look forward to traveling again.

Scholarship

In 2015 received a **UC Engineering Top Scholars' Award** to the value of \$10,000. This was awarded based on my high-school academic results and my extra-curricular involvement in programming.

SKILLS

Full Stack Web

HTML / CSS / JS
TypeScript
C# / .NET
PostgreSQL
SQL Server
Vue.js

DevOps

Git
Kubernetes
Docker
Linux
Jenkins
Ansible

Machine Learning

Python
Numpy
Tensorflow
Jupyter
Matlab

Game Development

Unity
C#
Godot
Rust
OpenGL

CONTACT

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