

Daniel Braithwaite



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danielbraithwaite.name

I'm a caffeine-addicted, fitness-loving nerd who thrives on solving interesting and difficult problems. My passion started with design, but after learning C with my dad I fell in love with the art of programming. My interests have since shifted from simply enjoying programming to seeking a more mathematical understanding of how things work. I am very interested in Machine Learning and as part of my Honors degree I am able to pursue research into areas of Machine Learning which I find interesting. Outside of study I love to be moving and exercising and am training to compete in olympic weightlifting. During my second year of study I was lucky enough to get an internship at the amazing Wellington company Alphero as a web developer. Alphero has some incredible designers and takes pride in creating beautiful web and mobile apps. As a developer I loved being a part of this environment. This opportunity allowed me to work on a lot of projects using a wide range of cutting edge technologies.

WORK EXPERIENCE



Alphero

Junior Developer

Summer Intern 2015/2016 & 2016/2017

During two summers spent at Alphero I have been able to work on a number of projects giving me valuable experience with not only my technical skills but also soft skills such as working in a team and communicating with clients.

PROJECTS

Code for personal projects available on GitHub and my personal website (danielbraithwaite.name)



VueMe

Vue - SASS - HTML
Personal project

After learning so much at Alphero I wanted a way to apply what I had learnt and remaking my personal website seemed like a natural way to apply these skills. The JS frameworks I already had experience with didn't seem like a good fit so this was an opportunity to learn a new front end framework. I chose Vue because of its simplicity, which was good because there wasn't a huge learning curve for the framework. Also Vue is much less opinionated than other frameworks allowing me to structure the project how I wanted.



Logical Neural Networks

Research
University

Logical neural networks are networks built with neurons using activation functions based off logical gates. I am continuing on from research done by a previous Honors student who gave a proof of concept for Logical Neural Networks. They were shown to provide reasonable accuracy and to be a lot more understandable as opposed to networks using regular activation functions. I am continuing this research by exploring the possibilities of these networks.



NZ Bank Website

Ember
Alphero project

As part of my internship at Alphero I worked on the website for a New Zealand bank. I was responsible for making fixes and also working on the overdraft application flow. This project gave me valuable experience with the Ember framework as well as practical industry experience.



NZ Eftpos Retailer

JavaScript - SASS - HTML
Alphero project

For this website we used Webhook CMS to load our content and then plain JS and SASS. This was one of my favorite projects to have worked on as it was the first industry project I was able to take from start to finish (mostly the summer was over before the site went live).



NZ Streaming Service Chromecast Receiver

JavaScript - SASS - HTML
Alphero project

I was responsible for working on the Chromecast Receiver application for an New Zealand TV/Movie streaming service. I was working on the communication between android app and receiver (on the receiver) as well as the Interface for the chromecast app.

SKILLS



Ember

Frequency Of Use: Often
Last Used: 2 months ago
Used Where: Alphero projects
Personal projects
Skill Level: Beginner - Intermediate



Java

Frequency Of Use: Very Regularly
Used Where: University Assignments
Personal Projects
Skill Level: Intermediate - Advanced



JavaScript

Frequency Of Use: Often
Last Used: 2 months ago
Used Where: Personal projects
Skill Level: Intermediate



GIT

Frequency Of Use: Very regular
Used Where: University work
Personal projects
Alphero projects
Skill Level: Intermediate



CSS (SASS)

Frequency Of Use: Semi regular
Last Used: 1 month ago
Used Where: Alphero projects
Skill Level: Beginner - Intermediate

EDUCATION

Wellington High School

2008 - 2013

NCEA Level 3 Achieved With Merit
NCEA Level 2 Achieved With Merit
NCEA Level 1 Achieved With Merit

School Awards

2013: Brooker Award For Computing
2013: First In Information Science
2013: First In Digital Media
2012: First In Information Science
2012: First In Digital Media
2011: First In Information Science
2011: First In Digital Media

Victoria University Of Wellington

2014 - Current

Expected Year Of Graduation: 2018

Bachelor Of Science (Hons)

Status: In Progress

Majors: Computer Science

Bachelor Of Science

Status: Completed

Majors: Computer Science and Mathematics

GPA: 7.8 (Out Of 9)

2016: Deans List

2014: Deans List