

# Daniel Braithwaite

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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

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### 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

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*Code for personal projects available on GitHub and my personal website ([danielbraithwaite.name](http://danielbraithwaite.name))*

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### 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 fixing bugs and 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.



### NZ Streaming Service Chromecast Receiver

JavaScript - SASS - HTML  
Alphero project

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

# SKILLS

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## 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

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## 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