



# Claire Barnaby

☎ +64272626657 | ✉ [clairelouisebarnaby@gmail.com](mailto:clairelouisebarnaby@gmail.com) |  <https://github.com/miclaury> |  <https://www.linkedin.com/in/clairebarnaby>

## Work Experience

### Verizon Connect – Full Stack Intermediate Developer

2019 - Present

- Owned a front end web app that optimises routes with many jobs, responding to customer issues and developing new features.
  - Javascript React app with Redux connecting to a C# API deployed into docker container with Octopus.
- Helped fix a major back end stability issue where customer requests were being lost.
  - Followed CQRS with a new micro service to reduce load and used a queue to ensure messages are not lost.
  - Service now handles 100s of thousands of daily requests.
  - Node Js, C#, Rabbit MQ, deployed with Octopus into kubernetes cluster
- Reduced technical debt on legacy services with no documentation.
  - Docker composes, upgraded node versions, wrote tests
- Promotor of the use of agile Kanban practices.

### Verizon Connect – Developer Internship

Summer 2017-2018

- Front end web developer on an iOS and Android app for fleet management.
- Native Android wrapper around an AngularJS web app.

### ARANZ Geo – Developer Internship

Summer 2016-2017

- Python developer on scientific desktop software that enables geologists to model the ground using their data to find mineral deposits.

## Education

### Bachelor of Software Engineering First Class Honours

2018

- University of Canterbury

## Projects

- Jump Tracker:** Use tensor flow js to detect and track faces can recognise a jump 2021
- Deep Learning:** Using computer vision and convolutional neural nets to analyse blood spatter patterns in Python (Honours project) 2018
- Interactive Paint Display:** Paint application where by using the kinect camera and SDK it tracks your hands which you draw with. 2018
- Java game team project:** Creating a multiplayer sailing racing game [Objective Sea](#) with 8 other people in Java using scrum. 2017
- Web extension:** [YouTube counter](#) which limits the number of videos you can watch made using JavaScript. 2017

## Interests and Involvement

- Haeata School Code Club which teaches children aged 9-12 to code. 2020 - Present
- Encouraging High school students to work in technology
  - St Hildas High school presentation 2020 & 2021
  - Shadow Tech Day 2019
- Brazilian Jiu Jitsu blue belt Started 2019 - Present
- Tutoring the Web Computing Architectures (SENG365) university course 2018
- Mentored a student at university through a programme run by Women in Technology Society. 2017 & 2018