

ZACH CHRYSTALL

FULL STACK WEB DEVELOPER

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ABOUT ME

After completing a degree in Mechanical Engineering I went on to work as a design engineer, through study outside of work I became aware of my interest in software development and have completed a Full Stack Web Development course at GA to pursue that passion.

My role as a mechanical engineer required excellent communication skills and attention to detail. I am now looking for a role I which I can continue to develop my skills as a programmer and work in a great team environment.

PROGRAMMING LANGUAGES

JavaScript

jQuery

ReactJS

NodeJS

HTML5

Handlebars

Fabric

Express

CSS3

Bootstrap

Sass/Scss

Python

Ruby

Ruby on Rails

PostgreSQL

ActiveRecord

SKILLS

Front End Web Applications

Back-End Web Applications

Great Communication

Secure Applications

Quality Code

Git Version Control

Project management

CAD: SolidWorks

CAD: AutoCAD

Problem Solving

Creativity

User Focus

EDUCATION

General Assembly

University of Canterbury

Full Stack Web Development Immersive, 2017

Bachelor of Engineering with Honors, 2015

PROJECTS AND EXPERIENCE

General Assembly - Blank Sheet

Feb 2017 - May 2017

Blank Sheet is a web app for designers to easily create, and share mood boards with clients and team members. The idea is to be as simple and lightweight as possible with simple drag and drop functionality.

Blank Sheet was created using Ruby on Rails, HTML5, CSS3, Javascript – jQuery and Handlebars, and a PostgreSQL database on the back-end. Images are stored in a file system hosted by amazon S3.

View here: https://github.com/zchryst/blank_sheet

General Assembly - Print My Ride

Feb 2017 - May 2017

Print My Ride aims to connect owners of 3-D printers to people who want specialty created objects. Owners of 3-D printers will be able to make a money off their investment in a printer and skills, while supplying a market of people looking for parts that are hard to find or do not exist at all.

Built with Ruby on Rails, HTML5, CSS3, Javascript - jQuery and Handlebars, and PostgreSQL for the database.

View here: https://github.com/zchryst/print_my_ride

General Assembly - Hospi-pals

Feb 2017 - May 2017

When young people go into hospital many of them do not find the connection they are looking for in support groups. This is mainly because the support groups tend to be made up of older patients, who they feel they cannot relate to. Hospi-pals creates a virtual place for younger people to connect and provide support for one another.

Built with Ruby on Rails, HTML5, CSS3, Javascript - jQuery. Cool features include a same-page chat function

View here: <https://github.com/zchryst/hospi-pals>

Milmeq Ltd. - Design Engineer

Nov 2015 - Jan 2017

- Halved the design time for important components by automating the design process.
- Through attention to detail and careful communication designed and manufactured components to work perfectly together as part of a global supply team.
- Organised schedules for construction, manufacturing, and shipping, ensuring that complex structures were manufactured and arrived on site at the correct time.
- Worked in a collaborative and agile team environment to deliver projects to schedule