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I am a Graduate Mechatronics Engineering student from The University of Auckland who is passionate about technology and frontend development. I have a demonstrated high drive for learning by being curious. This has led me to teaching myself how to code and becoming a Software Developer with 3 years of industry experience. I am now looking to work with technology that gets me excited and projects that deliver real value alongside likeminded peers.

Experience

Sandfield — Software Developer

Jan 2020 – Jan 2022

- Developed full-stack features within Sandfield's largest web application involving SQL as the database layer with a C# backend together with an ASP.NET, HTML and JavaScript frontend.
- Refactored a mobile app module leading to an increase in client usage from low 20% to 90%+. This involved a complete remodelling of the UI in addition to migrating the frontend data store from WebSQL to IndexedDB and creating database procedures to parse and store data in our relational database.
- Delegated the responsibility of maintaining and extending the mobile application with new features and modules letting me get involved in the full SDLC from client discussions to final products.

Sandfield — Software Developer Intern

Sep 2018 – Jan 2020

- Created full suite of automated tests using Selenium to handle regression testing that was demonstrated and delivered to the client as part of a project.
- Created CPU logging charts using Highcharts library which are now being used to monitor internal processes at the company.
- Carried out research tasks that led to a write up of a project proposal which was proposed to the client.

Skills: ASP.NET, MS SQL, C#, JavaScript, AJAX, HTML, (S)CSS, jQuery, Selenium, Agile, MVC

Education

BE (Honours) Mechatronics Engineering — The University of Auckland

Mar 2015 – May 2020

Skills: C/C++, C#, MATLAB, Arduino, LabVIEW, Quartus, R, PTC Creo 3.0

Personal Projects

Google Drive Clone — <https://moogledrive.com/>

June 2022

- Developed using a React frontend with a Firebase datastore.
- Implemented a basic user creation and login with Firebase.
- Implemented ability to create folders, upload files and view files, just like Google Drive which are then stored separately for each individual user.

Skills: React, Firebase

Yelp Clone — <https://yelperia.com/>

May 2022

- Refactored older version written with React classes to use functional React.
- Allows users to search for businesses in specified locations, using Yelp API.
- Added geolocation to make use of the user's location to allow for fast local searching.
- Added data pagination with infinite scrolling to allow for faster data requests.

Skills: React