



## Education

### [The University of Sydney](#)

New South Wales, Australia

Bachelor of Science (Honours) | Computer Science

February 2022 — Current

### [The University of Auckland](#)

Auckland, New Zealand

Bachelor of Science | Computer Science

March 2019 — November 2021

## Work Experience

### [Government of New Zealand, WDHB, Auckland North Shore Hospital](#)

Software Engineer (Fixed term)

Aug 2021 — Feb 2022

- Created a monitoring web app with Angular 2 and .Net 5 to monitor legacy system status
- Created a Redis commander app to run Redis commands from a user interface
- Improved an application's Chrome lighthouse score by over 50% by re-writing HTML table into CSS grid

- **Tech stack:** ASP.NET • Angular 2 • C# • TypeScript • mssql • Oracle SQL • Jira • Azure DevOps

### [Canary Data Solutions Ltd. | Auckland, New Zealand](#)

Software Engineer | September 2020 — August 2021

- Working in a team of 3, we improved the robustness of the system by rewriting over 150 JavaScript files into TypeScript files
- Complete redesign of the company website (<https://canary.co.nz/>)
- Communicate directly with clients to carry out feature requests and / or to resolve problem report

- **Tech stack:** ASP.NET • C#/VB • TypeScript • Knockout/Vue • mssql • TeamCity/Jenkins • TortoiseHG • Octopus Deploy

### [yourcar.co.nz | Auckland, New Zealand](#)

Junior Developer | January 2020 — April 2021

- Created a script that calculates and returns the number and percentage of written-off New Zealand new vehicles after the first 18 months of purchase
- Improve the system durability by testing the front-end using cypress
- Gained valuable experience of working in a fast-paced startup environment

- **Tech stack:** Next.js • ReactJs • Node.js • GraphQL • Apollo • PostgreSQL • Jest • Cypress • HubSpot • Coffee Making Skills!

## Software Projects

**Personal Website:** [richard-lee.com](http://richard-lee.com) (for additional information)

### [Chrome extension to enable YouTube comment section](#)

- Developed a Chrome browser extension that lets users comment on “comment disabled” YouTube videos
  - Created an algorithm that sorts comments with timestamp and number of likes as attributes
  - Host on AWS with AWS DynamoDB and AWS Lambda
  - Integrated OAuth and OpenCV for one-click log in
- **Utilised:** jQuery • AJAX • AWS DynamoDB • AWS Lambda • Serverless • Chrome extension SDK • Node.js

### [Nasdaq ETF portfolio copier and autotrader](#)

- Developed an automation software that fetches ETF portfolios from web API and calculates changes made since the last fetch
  - Software will send out daily reports to notify the user of portfolio changes
  - When connected to trading brokers, the software can use API calls to execute orders
- **Utilised:** Node.js • AJAX • TypeScript • Moment.js • Nodemailer • Shell commands • BeautifulSoup

### [News and information App](#)

- Developed an App for my University Club to share information and news, as well as upcoming events
  - Developed an API for the App with the functionalities of GET and POST
  - Maintenance of the App, including posting new articles, fixing bugs and issuing updates
- **Utilised:** React Native • Expo • Node.js • AWS DynamoDB • AWS Lambda • Serverless

## Skills

**Proficient:** JavaScript/TypeScript • ASP.NET • Angular 2 • React/React Native • AWS • Python • Git (Version Control)

**Familiar:** C#/VB • Serverless • Jest • Cypress • GraphQL • mssql • Oracle SQL • PostgreSQL • TeamCity • Octopus