

## Education

**University of Auckland**

March 2019 — December 2022 (Expected)

Major: Bachelor of Advanced Science with Honours (PG) | Computer Science (Third year)

Coursework: Algorithm & Data Structure, OO Software Development, Computer Systems, Big O, HCI, Discrete Mathematics

## Employment

- Canary Data solutions**

Software Engineer | September 2020 — Current

  - 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 (yet to publish)
  - 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**

Junior Developer | January 2020 — Current

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

- **Tech stack:** next.js • node.js • graphql • jest • cypress • hubspot
- Chancery investment banking interview App**

Software Engineer | Sep 2020 — Feb 2021 | Berkeley, CA

  - Improved front-end fetch logic by adding helper functions
  - Improved mobile browsing experience by redesigning the mobile layout
  - Created the front-end UI and logic for feedback button

- **Tech stack:** react • node.js • jQuery • bootstrap

## Software Projects

- Personal Website: richard-lee.com** (for additional information)
- Chrome extension to enable YouTube comment section**

  - Developed a Chrome browser extension that lets user 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 login

- **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 with portfolio changes
  - When connected to trading brokers, software is able to 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 the 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
  - Currently maintaining 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 • react/react native • AWS • python • git (version control)

**Familiar:** c#/vb • serverless • jest • cypress • graphql • mssql • teamcity • octopus deploy