Richard Lee

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Sydney, Australia

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Education

The University of Sydney	Bachelor of Science (Honours)	Computer Science
New South Wales, Australia	February 2022 — Current
The University of Auckland	Bachelor of Science	Computer Science
Auckland, New Zealand	March 2019 — November 2021

Work Experience

Waitematā District Health Board, 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 (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