Richard Lee

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Sydney, Australia

@richard875

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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