Richard **Ng**

FINAL YEAR SOFTWARE ENGINEERING STUDENT

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Summary

Currently a 4th Year Software Engineering student at the University of Auckland. Interested in further enhancing and building my software coding abilities in a team environment. I can bring a fresh perspective, creative ideas and a drive to make the best product possible. Always eager to learn new technologies and tools if the situation arises.

Work Experience

Thales   *Auckland, New Zealand*

SOFTWARE ENGINEERING INTERN   *Nov. 2019 - Feb. 2020*

- Created a web based dashboard to visualise transaction and API data over several months using **Angular**, **.Net Core**, **Entity Framework** and **SignalR**.
- Built various **Azure Function Webhooks** to detect alerts on the **New Relic** platform and automatically create custom reports on the **SysAid** server.

Southern Cross Health Society   *Auckland, New Zealand*

SOFTWARE ENGINEERING INTERN   *Jan. 2019 - Apr. 2019*

- Created an advanced Alexa skill for SX customers using **C#** and **AWS Lambda**, which was used as research towards their Digital Human Project.
- Integrated **Geolocation APIs** to find nearest healthcare providers
- Implemented voice login with Alexa, allowing customers to access account related data.
- Implemented the Alexa skill to recognize different keywords for different healthcare procedures by managing the **Alexa NLP Console**

Education

University of Auckland   *Auckland, New Zealand*

BACHELOR OF ENGINEERING (HONS) SOFTWARE ENGINERING (4TH YEAR)   *Feb. 2017 - Nov. 2020 (Est)*

- Worked with fellow students in the UniGuide programme that helped provide guidance and support to new first year students at the University of Auckland.
- Certificate of Outstanding Achievement - Compsci 316
- Part 4 Project Robotics Category Winner
- Deans Honour List 2020

Lynfield College   *Auckland, New Zealand*

HIGH SCHOOL   *Feb. 2012 - Dec. 2016*

- Achieved overall excellence endorsement in level 1,2,3 NCEA.

Projects

Personal Website

- Personal Website created with Go, Hugo.
- Continuous integration, development with CircleCI Hosted with S3, domain routing with Route 53, CloudFront and ACM.

FlatMate Management System

- Large Group Project: Created an React web app to help people who live in flats manage their daily expenses, chores and simplify the flatting life.
- Front-end was created using React, back-end was done using C# with EF, and SQLLite. CI-CD was utilised with Github Actions.

Simul

- Created a React Web App that allowed users to synchronously listen to Spotify music with others in shared lobbies.
- Technologies: Spotify API, Socket.IO, PassportJS, NodeJS, Redux

Involvements

- Software Engineering Students Association
- Developers Society (UoA)
- UoA Badminton Club
- What The Hack Hackathon
- North Harbour Badminton Club
- ICSR 2020 Innovation in Software Runner Up

Languages and Technologies

- Java, C#/.NET, JavaScript, TypeScript, HTML/CSS
- AWS, Azure, SQL/SQL Server, Git, Entity Framework, SignalR, OracleDB, Redis