

# Richard Ng

FINAL YEAR SOFTWARE ENGINEERING STUDENT

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## Summary

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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

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### 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.
- Automated documentation and change request process during the build step of the AIFS API utilising Jira API

### 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

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### University of Auckland

Auckland, New Zealand

BACHELOR OF ENGINEERING (HONS) SOFTWARE ENGINEERING (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

### Lynfield College

Auckland, New Zealand

HIGH SCHOOL

Feb. 2012 - Dec. 2016

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

## Projects

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### 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 SQLite. 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

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- Software Engineering Students Association
- UoA Badminton Club
- North Harbour Badminton Club
- Developers Society (UoA)
- What The Hack Hackathon

## Languages and Technologies

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