

# 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. 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, C#, .Net Core, EF and SignalR.
- Built various Azure Functions 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 as part of the auditing process.
- Created various PowerShell scripts to automate the daily checklist of system components in the Auckland Integrated Fares System.

### Southern Cross Health Society

Auckland, New Zealand

SOFTWARE ENGINEERING INTERN

Jan. 2018 - Apr. 2019

- Created an advanced Alexa skill for SX customers using C# and AWS Lambda.
- Implemented portions of SX's HealthCare Finder to a voice based system.
- Implemented voice login with Alexa, allowing customers to access account related data.
- Leveraged Alexa's NLP engine to give accurate search results.

## 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.

### 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.

### FB-WorldCloud

- Created a Java application to parse in Facebook chat logs and create word clouds out of the messages. This project uses Jackson for JSON parsing and JSoup for HTML parsing.

### MyTvList

- Created a React Web App hosted on Azure which allowed users to view and make reviews of their favourite TV shows. Had the ability to share their reviews and relevant images on social media.

## 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