

# Francis Lee

## PART IV SOFTWARE ENGINEERING STUDENT

### PROFESSIONAL SUMMARY

Final year software engineering student with a strong understanding of good software practices and methodologies. Gained valuable experience from 2 internships and various personal projects. High passion for front end work. Currently seeking a graduate role to both apply and expand my skillset.

### CONTACT INFO

**Location:**  
Ormiston, Auckland  
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[linkedin.com/in/francis-lee-889377191/](https://www.linkedin.com/in/francis-lee-889377191/)  
**Portfolio:**  
[francis-lee.cf/](https://francis-lee.cf/)  
**Github:**  
[github.com/M-Stable](https://github.com/M-Stable)

### SKILLS

React	<div><div></div></div>
JavaScript	<div><div></div></div>
Java/OOP	<div><div></div></div>
HTML/CSS	<div><div></div></div>
Git	<div><div></div></div>
Unit Testing	<div><div></div></div>
C	<div><div></div></div>
Jira/Confluence	<div><div></div></div>
Vue	<div><div></div></div>
SQL	<div><div></div></div>
GraphQL	<div><div></div></div>

### LANGUAGES

- English (Proficient)
- Korean (Conversational)

### REFERENCES

Available upon request

### ACADEMIC EDUCATION

#### University of Auckland

*B.E(Hons.) in Software Engineering | Mar. 2018 - Nov. 2021*

GPA: 7.32/9 (A-/A Average)

Notable Courses:

- SOFTENG 351 Database Systems (First In Course)
- SOFTENG 254 Quality Assurance
- SOFTENG 250 Data Structures + Algorithms
- COMPSCI 316 Cyber Security

### WORK EXPERIENCE

#### Front End Developer Intern

*Quantiful | Nov. 2020 - Feb. 2021*

- Designed and implemented search functionality using **React/Redux** which sped up data lookup by over 500%.
- Developed new unit tests with **Jest/React Testing Library** and updated integration tests to reduce faulty tests down to 0.
- Assessed UX and UI designs for technical feasibility to display dynamic data with Recharts library.
- Worked in an agile environment and gained experience in scrum methodologies.

#### Software Developer Intern

*Woork. | Dec 2019 - Feb 2020*

- Designed and built various responsive components for new features using React.
- Handled user input changes with **GraphQL** mutations and stored data in **DynamoDB**.
- Queried the database using GraphQL along with **Apollo** to cache data and boost fetch performance by up to 200%.

### PROJECTS

#### What to Eat

*Personal Project | [myeaterylist.netlify.app/](https://myeaterylist.netlify.app/)*

- Created a minimalistic single page web application in **Vue** which allows users to construct their own list of restaurants and sort them into custom categories.
- Provide user authentication to store user data using **Firebase Realtime Database**.

#### Custom Spotify

*Personal Project | [customspotify.cf/](https://customspotify.cf/)*

- A modern React web application that allows users to view and play their top 20 artists and tracks by leveraging the **Spotify Web API**.
- Utilized React's **Context API** to enable full playback control, display dynamic data and give a personalized experience.
- A fully responsive design built with Styled Components and prototyped using **Figma**.

#### Varpedia

*University Project*

- Developed a learning tool application targeted towards secondary language learners that creates a video with images, audio and text based on the user's search term.
- Designed the GUI using **JavaFX** and **Java + Bash** for the backend using MVC design pattern.
- Integrated **multi-threading** to prevent the UI freezing from CPU intensive operations.
- This project was shortlisted as one of the best designs in a class of 100 people.

#### Chancery

*Personal/Group Project | [chancery.app/](https://chancery.app/)*

- Created the front end for a flashcard web application that helps people prepare for their next investment banking interview.
- Utilized the **Material-UI** library with React to accurately build out a prototype in both light and dark mode.
- Implemented flashcard functionality by utilizing Redux to maintain application state.