

# Eric (Ka Long) Lee

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## Contact details:

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**GitHub:** <https://github.com/Erickl>

## Profile:

Passionate in full-stack web application development, and eager to start a career in this area. Unobtrusive to learn new things and able to get used to technologies quickly. Experienced in development and collaboration in workplaces.

## Education:



*2015 – 2017*

**Diploma of Information Technology**

Griffith College



*2017 – 2019*

**Bachelor of Information Technology (Computer Science)**

QUT (Queensland University of Technology)

## Key Skills and Abilities:

- Front-end Programming (HTML, CSS3, SCSS, JavaScript ES6, TypeScript)
- Front-end Framework (Semantic-UI, Bootstrap 4)
- Front-end library (React)
- State Management (React Context API, Redux)
- Back-end Programming (NodeJS, TypeScript)

- Back-end Library (Express, Mongoose, Sequelize)
- Cache (Redis)
- Database management (MySQL, MongoDB)
- Cloud Service (Digital Ocean, AWS)
- Docker
- Mobile Application developing (experienced using C#, Xamarin Forms)
- Basic skill of using Linux operating system
- Basic machine learning skills
- Git
- Design patterns
- Highly computer literate
- A team player
- Dedicated, organized and reliable

## Academic Achievement:

- **GPA: 6.06 (out of 7)**
- Graduated with distinction
- Invited to be a **mobile application developer** in QUT's School of Earth, Environmental and Biological Sciences (EEBS)
- Award for **Commitment to achieving high academic** goals In Griffith College
- Award for **Striving to work hard and commitment to achieving academic goals** In Griffith College

## Experience:

### Full-Stack Web Developer (Capstone Project):

07/2018 – 07/2019, *Medical Documents Search Engine* project for CSIRO

Repository: <https://github.com/Ericlkl/CSIRO-Search-Engine>

Role:

- Full-Stack Web Developer

In the QUT's Capstone project I worked as a full-stack web developer to develop an online medical document search engine to assist clinicians on their research or treatments for diagnoses. The client was CSIRO. I developed the user interface and server-side application which can successfully **find out reports related to the keywords and visualize the data in the document**. It helped me to acquire more knowledge of current **technologies of web application development**. During the collaboration with the client, my **communication skills with the company as a real working environment** have also been reinforced.

## **QUT's School of Biology and Environmental Science – Mobile Application Developer:**

*07/2018 – 03/2019, QUT's School of BES 's mobile app development team*

*Repository: <https://github.com/kittaye/GeoApp>*

*IOS: <https://apps.apple.com/au/app/groundsman/id1454150064>*

*Android: <https://play.google.com/store/apps/details?id=com.Groundsman.GeoApp>*

*Role:*

- mobile application developer (Intern)

School of Biology and Environmental Science is one of the QUT faculty to research and address global challenges, ranging from food security to climate change-related environmental concerns, and the application was customized for QUT BES students gathering geospatial data in the real world. As a mobile application developer, I obtained some **current knowledge and skills about C# in the mobile application development field (Xamarin Forms)**. I also learnt **how to cooperate and communicate with colleagues in a real working environment**.

## **AAS Education & Student Service Academic Tutor:**

*06/2018 – 07/2019*

*Role:*

- Tutor (paid)

AAS Education & Student Service is a commercial organization that offers various tutorial classes for university students for particular course units. This job strengthens my memory of academic knowledge and develops my communication and presentation skills.

## **Music School Website Project:**

*Website project in QUT*

*Repository: <https://github.com/Erickl/Music-School>*

*Role:*

- Full-stack developer

This is a website project required me to develop a website for a music school which displays teachers, events and courses information provided by the music school. **These data are fetched from an online server**. The school manager can **login to the simple CMS system to edit all the teachers, events and courses information** on the website. It was a good opportunity to improve my **web design skills** and expanded my **backend programming technique**.

**Eric LEE**

## Portfolio:

*My Personal website:*

*Repository:* <https://github.com/Ericlee/Portfolio>

*Website:* <https://www.ericlee.dev.com/>

*Role:*

- Full-stack web developer

This is a personal project which I developed and served a **dynamic website** to view skills and projects so that people can learn more about me and express myself to people who are interested in collaborating.

This website was built on **MERN Stack (MongoDB, Express, React, NodeJS)**. The whole website is **fully responsive** so that visitors can view the content properly in all devices. Some of the important UI components are made with **animation (React Reveal)** to draw users' attention. In this project, I learnt how to **deal with different devices layout, set up the server and host web applications (Digital Ocean)** on the internet so that people around the world can access to the website. In addition, it was also a good chance to practice **my research skill and problem-solving skill**.

## Twitter Emotion Analysis Project:

*Website project in QUT:*

*Repository:* <https://github.com/Ericlee/Tweeterly>

*Role:*

- Full-stack developer

This is an assignment project which required my team to develop a website to search for any keywords in Twitter in order to analysis the emotion related to the keyword.

In this website, users can enter at least one keyword to five keywords for emotion analyzing. The website not only provides **static emotion analysis (analysis pass seven days tweets data)** but also provides **live stream function (analysis live tweets data every minute)** so that user can keep tracking the emotion changes. From the tasks, I practiced **data visualization (Chart JS), basic usage of Twitter API and IBM Watson API (in JavaScript) and socket programming (Socket.io)**.

Overall, this project allowed me to improve my **web development skills**. Also, I practiced my **technical problem-solving skills** since I have to self-learn some techniques to implement various functions and eliminate bugs.

## Movie Information Project:

*Website project in QUT:*

<https://github.com/Ericlel/Movie.Info>

Role:

- Full-stack developer

This is an assignment project which I developed and served a website to search for tweets, news and information about a movie shown on a webpage.

This website required me to use **NodeJS to build a mash-up with a number of APIs** to implement the functionality, including a map and image classifier. Furthermore, I need to serve that in a **virtual machine from cloud service** (I have experimented in **both AWS and Digital Ocean**). Also, I have managed to set up the **scalability and load balancing in the cloud service** for this website so that the server can handle the burst and drop of internet load.

## Part-time jobs:

**Waiter** in China Sea Milton

08/2017 – 03/2018

## Referee:

Available on request

## Languages:

- English
- Chinese
- Cantonese

## Hobbies:

- Playing video games
- Watching movies
- Reading Books
- Building computers
- Swimming