

# Mark Lee

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## SUMMARY OF QUALIFICATIONS

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1.5 years experience as an Angular / NodeJS developer with a portfolio that displays my ability to assess user needs to create a user-centric full-stack application.

## TECHNICAL SKILLS

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Javascript, Typescript, Angular, HTML, CSS, NodeJS, ExpressJS, MongoDB, Git / Github

## PROJECTS

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### Class Scheduler (2017-2018)

*Angular, Typescript/ES6, HTML, CSS, Bootstrap, Firebase, Amazon S3*

- Communicated with and assessed teacher needs to create an app with a familiar UI to ease user transition.
- Recognized promise chaining / callback hell in signup system and found a cleaner alternative in Promise.all.
- Implemented a global error handler to reduce repeat code. However, expired token errors were caught outside the 'Angular zone', thus certain binded variables did not update upon logout. Created a 'redirect system' that returned the app to the 'Angular zone' so variables could properly update.

### Password Keychain (2018)

*NodeJS, ExpressJS, MongoDB, Mongoose, Angular, HTML, CSS, Bootstrap, Postman, Robo3T*

- A password manager that generates, encrypts, and stores random, strong passwords.
- Connected front end and back end after understanding preflight requests and implementing the appropriate CORS headers. Initially struggled with not knowing why my server accepted Postman requests and not requests from my client.
- On making the app auto deploy itself for production using 'postinstall' instead of manual deploy for Class Scheduler, I figured that I had to properly configure the directory for 'index.html' relative to the resulting /dist folder and not the development folder.

## WORK EXPERIENCE

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### Minamisatsuma City Board of Education

*Assistant Language Teacher (ALT)*

Kagoshima Prefecture, Japan

August 2016 – July 2018

- Took initiative in creating a modern web app to replace the inefficient fax system for scheduling & planning.

### Dynamo Micropower

*Electrical Engineering Co-op*

Somerville, MA

January 2015 – June 2015

### Jacobs – Kling Stubbins

*Electrical Engineering Co-op*

Cambridge, MA

January 2014 – June 2014

### EMC Corporation

*Hardware Logic Design*

Hopkinton, MA

January 2013 – June 2013

## EDUCATION

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### Northeastern University

*Bachelor of Science in Electrical Engineering  
with minor in Business Administration*

Boston, MA

May 2016

## HOBBIES & OTHER SKILLS

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Regularly play and watch basketball (NBA). Can speak / read Japanese at an intermediate level. Can speak Cantonese conversationally. Currently learning Korean. Always on the look out for delicious dishes to recreate.