

**ANDY POON**  
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## SKILLS

**Proficient :** JavaScript, React, Redux, Node.js, Express, Sequelize, HTML, CSS

**Knowledgeable:** Git/Github, Material-UI, VS Code, Google Maps API, Firebase

**Basic knowledge:** Heroku, Passport.js (OAuth), Socket.IO, Jupyter Notebooks, Python, PostgreSQL, Mocha, Chai, Jasmine, SQL

## PROJECTS

**Herd- real time location sharing app for tour groups.** <https://herd-tour.com> **2018**

A Progressive Web App that lets tour members find each other and their points of interest. Firebase was used for real time location and communication. Google Maps was used to display a heat map of a tour group's location history. Redux was used to manage the state. RESTful API routes hosted on Heroku were used to manage writes to the database.

React, Redux, Express, Firebase, Heroku, Google Maps API, Material-UI, Geolocation API

**Reach - real time trip timer** <https://stackathon-trip-planner.firebaseio.com/> **2018**

A web app that lets you enter points of interests and show you in real time which points you can still reach when you have a limited amount of time. React was used to render the travel times dynamically on a Google map, and Redux was used for state management.

React, Redux, Firebase hosting, Google Maps API, Material-UI, Web Geolocation API

**Brain-juice - online nutritional store web app** <https://brain-juice.herokuapp.com> **2018**

Users and guests can save items to a persistent cart via the localStorage API then checkout their items. This is done via the Express API routes which updated the PostgreSQL database using Sequelize. Afterwards, users can also view their order history.

React, Redux, Express, Sequelize, PostgreSQL, Heroku

## EDUCATION

**Software Engineering Immersive** - Fullstack Academy of Code **2018**

**Bachelor in Civil Engineering with Honors** - University of Toronto **2013-2017**

**Electrical Engineering** - Imperial College London **2011-2012**

## WORK

**Structural Engineering Intern** **Summer 2016**

Quality control on drawings and organization of structural modelling results

**Camp Counsellor** **Summer 2014 - 2015**

- Led activities and encouraged campers in personal growth, participation and teamwork
- Collaborated with a team in a fast paced environment, managing up to 100 campers