

Brian Lee

Systems Design Engineering | (416)-436-7674 | www.brnjlee.com | bj22lee@edu.uwaterloo.ca

Technical Skills

Languages: Javascript (ES6), HTML / CSS (Sass), Python, SQL, C++, Java

Frameworks: React.js/React Native, Redux, Node.js, Express.js, Three.js, GSAP, Flask, Django

Databases: MongoDB, MySQL, PostgreSQL, Cloud Firestore

Technologies: Git, Heroku, Jest/Enzyme, Selenium, TestNG

Experience

Empire Life, Innovation Lab - Web Developer

September 2018 - December 2018

- Designed and developed a chatbot module integrated with a Support knowledge base
- Used **Google Dialogflow** to handle client queries producing a 80% decrease in CSR workload
- Led a team of frontend developers to architect a robust codebase using **React + Redux**
- Maintained thorough documentation and unit tests with **Jest/Enzyme**

Q4 Inc. - QA Automation Developer

January 2018 - April 2018

- Automated regression testing for web products in **Java** using **Selenium**, and **TestNG**
- Created automated test suites for the product's front end and REST APIs increasing the testing workflow efficiency by more than 90%
- Worked in a fast-paced, agile environment as an active member of a Scrum team

Projects (Github: brnjlee)

LooChat (loochat.herokuapp.com)

December 2018

- Developed a P2P chat application that handles messages and video calls using **Socket.io** and **WebRTC**
- Built web and mobile clients in **React/React Native + Redux**, paired with a **Node/Express** RESTful API
- Stored conversation and connection data with **MongoDB**

Portfolio (www.brnjlee.com)

January 2019

- Designed and developed a personal portfolio featuring a 3D rendered canvas and responsive javascript animations using **Three.js** and **GreenSock** wrapped in a **React** application

RentForYou

May 2018

- Created a classified ad platform where students can find housing options around their school area
- Built with LAMP Stack using **Flask/MySQL/Javascript**
- Integrated **Google Maps API** to generate geocoded addresses and display rents onto a dynamic map

Education

Candidate for BAsC, Systems Design Engineering

September 2017-Present

University of Waterloo, Waterloo, ON