

Chuqian Susan Li

<https://chuqianli.me>

Contact

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Languages

JavaScript, CSS, HTML
Java, Python, C++

Frameworks

React, Redux, NodeJS,
ReactNative

Databases

Postgres, Firebase, MongoDB

Tools

Bash, Zsh, Android Studio,
Docker, AWS EC2, Heroku

Interests & Interesting Facts

Techstars Music 2017 Alumni

Functional Programmer but
appreciates OOP

Snowboarder, Karaoke
Master

Fan of coding in hot tubs

Experience

Full Stack Developer | Pippa, New York City, NY

SEP 2017 - JAN 2017

- Developed features in ReactJS including **custom audio player** and audio-editing dashboard
- Created **15% smaller** Docker Images of multiple services for auto-scaling
- Decreased process time of web-scraping script by 50% through multiprocessing and proxying
- **Reduced use of cloud storage by 40%** by programmatically comparing and replacing similar data

Full Stack Developer | Robin Media, Los Angeles, CA

JAN 2017 - MAY 2017

- Led front-end feature implementation in React/Redux with UI design
- Expanded Java API for features, server-side validation, and custom analytics
- **Streamlined transaction process** to reduce manual customer service time **by 50%** through user flow redesign and development
- Build client-side **global search functionality** with inclusive/excluding querying

President | Beyond - JA, Calgary, AB

SEP 2015 - MAR 2016

- **Top 3** for Company of the Year, Website of the Year, President of the Year.

Projects

Symposio 📄 📱

Solo Project

- Interview Application with **real-time messaging**, recording, and transcript generation
- Streams recorded client-side; **merged with ffmpeg** to produce HQ dual recording
- NodeJS, React, Watson Developer Cloud, AWS EC2, WebRTC, Socket.io, ffmpeg, Docker

CyanoSleuth 📄

Solo Project

- **Platform to analyze and upload** water quality data from microfluidics kit
- Displays and analyzes cumulative crowd-sourced data for likelihood of algae bloom
- React/Redux, NodeJS with Google Maps API, Clarifai Image AI, Firebase, Heroku

Markov Messenger 📄

Team Project @ EngHack 2017

- Facebook auto-responder using **markov chains** generated by **scraping conversation data**
- Python, ReactNative, NodeJS with Heroku and custom semantic analysis algorithm

Log(me); 📄

Team Project @ Hack the North 2017

- Smart Journal that runs **semantic analysis on user data** to determine likelihood of depression
- React, NodeJS, Python with Firebase, Socket.io, Heroku

Education

University of Waterloo, Waterloo, ON, Canada

SEP 2016 - APR 2021

Honors Bachelor of Applied Science Candidate in Computer Engineering

Awards: Queen's Golden Jubilee Citizenship Medal, Premiere's Citizenship Award,
Hatch Entrance Scholarship, President's Scholarship of Distinction

Cumulative GPA: 4.0 (90%)