

# Chugian Li

<http://Chugianli.me>

## Contact

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## Skills

### Languages

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

### Frameworks

React, Redux, NodeJS,  
ReactNative, Android Studio

### Database

Postgres, Firebase, MongoDB

### DevOps

Docker, AWS EC2, Heroku

## Interests & Interesting Facts

Techstars Music 2017 Alumni

Passionate Developer

Foodie, Snowboarder,  
Karaoke Master

Fan of coding in hot tubs

## Awards

Queen's Golden Jubilee  
Award

Premier's Citizenship Award

Hatch Entrance Scholarship

President's Scholarship of  
Distinction

## Experience

### Full Stack Software Developer | Pippa, New York City, NY

SEP 2017 - JAN 2017

- Developed features in React/Redux including DNS-hosting service for client content with Lambda
- Increased security with authorization & type-checking middleware server-side
- Created compressed Docker Image of multiple services & auto-scaling with Swarm + AWS
- Increased speed of web-scraping script by multiprocessing & proxying; cut process time in half
- Reduced use of cloud storage by 40% by analysing & replacing similar data%

### Full Stack Software Developer | Robin Media, Los Angeles, CA

JAN 2017 - MAY 2017

- Led front-end feature implementation in React/Redux with UI/UX
- Expanded API in Java for analysis of user/product data & feature implementation
- Developed more efficient transaction process to reduce manual customer service time by 50%
- Developed global search with querying algorithm for inclusive/exclusive tags with React/Redux

### President | Beyond - JA, Calgary, AB

SEP 2015 - MAR 2016

- Drafted business plan & sales strategies, chaired meetings & designed prototype
- Top 3 for Company of the Year, Website of the Year, President of the Year.

## Projects

### Symposio | 🎧 🎙

Solo - [ONGOING]

- Interview Application w/ real-time messaging, recording, & transcript generation.
- Streams recorded client-side & merged w/ ffmpeg to produce HQ interview recording.
- NodeJS, React w/ MailGun, Watson Developer Cloud, AWS, WebRTC, Socket.io, ffmpeg. Custom Docker Image on EC2 Linux AMI

### CyanoSleuth | 🕵

Solo - [ONGOING]

- Platform to analyze & upload water quality data from associated water testing kit
- Displays & analyzes cumulative crowd-sourced data
- React/Redux, NodeJS w/ Google Maps API, Clarifai Image AI, Firebase, Heroku

### Markov Messenger | 🗨

Created at EngHack 2017

- Facebook chatbot that generates markov chain from scraping conversation data to simulate proper conversation in context
- Runs custom sentiment analysis on incoming messages & responds with appropriate message & Facebook React.
- Python, ReactNative, NodeJS w/ Heroku & custom semantic analysis algorithm

### Log(me); | 📔

Created at Hack the North 2017

- Smart Journal that runs semantic analysis on user's daily logs alongside quantitative inputs & local events to determine likelihood of stress or depression w/ real-time messaging
- React, NodeJS, Python w/ Firebase, Socket.io & Heroku

## Education

### University of Waterloo, Waterloo, ON, Canada

SEP 2016 - APR 2021

Honors Bachelor of Applied Science Candidate in Computer Engineering

Cumulative GPA: 4.0 (90%)

