






Chugian Li

<http://Chugianli.me>

Contact

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Skills

Most to least proficient

Languages

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

Tech

React, Redux, NodeJS,
ReactNative, Android Studio

Database

Postgres, Firebase,
MongoDB

DevOps

Docker, AWS EC2, Heroku

VCS

Git, SVN

Interests & Interesting Facts

Techstars Music 2017 Alumni
Passionate Developer
Foodie
Snowboarder
Karaoke Master
Medium Writer
Fan of coding in hot tubs

Experience

Pippa, New York City, NY

CO-OP [CURRENT]

- Created compressed Docker Image of multiple services and auto-scaling with Swarm + AWS
- Increased speed of data-scraping script by multiprocessing and proxying from 24 hr to 12 hr
- Reduced use of cloud storage and spending by analysing similar request data up to 40%
- Set up AWS lambda logging and log rotation; decreased bug searching time by 70%

Robin Media, Los Angeles, CA

CO-OP [JAN 2017 - MAY 2017]

- Led front-end implementation of APIs such as Stripe & Spotify with custom user flow
- Expanded API to for analysis of user/product data and feature implementation
- Developed more efficient transaction process to reduce manual employee customer service time and burden by 50%
- Developed global search with querying algorithm for inclusive/exclusive tags

Beyond - JA, Calgary, AB

Youth Entrepreneurs Competition [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 [Symposio.stream github.com/suzyng83209/symposio](https://github.com/suzyng83209/symposio)

SOLO - [ONGOING]

Interview Application with recording, messaging, & transcript generation. Streams are recorded locally and merged with ffmpeg to produce high-quality interview recording. Written with NodeJS & React using Mailgun API, Watson Developer Cloud API, AWS SDK, WebRTC, Socket.io, ffmpeg. Hosted with custom Docker Image & AWS EC2 Linux AMI

CyanoSleuth github.com/suzyng83209/cyanosleuth

SOLO - [ONGOING]

A platform to analyze and upload water quality data from a water testing kit and for scientists to access and analyze all crowd-sourced data. Written in React/Redux & NodeJS using Google Maps API, Clarifai Image API, & Firebase. Hosted with Heroku

Markov Messenger github.com/suzyng83209/markov-messenger-bot

Created at EngHack 2017

A chatbot that generates a markov chain from scraping conversation data to simulate proper conversation with context. Analyzes sentiment of messages and responds with appropriate Facebook reacts. Written in Python, ReactNative, NodeJS & and uses in-house semantic analysis.

Log(me); github.com/suzyng83209/htn2017

Created at Hack the North 2017

A smart journal app that runs semantic analysis on user's daily logs in context with quantitative inputs and local events to determine likelihood of stress or depression. NodeJS, Python, Firebase, Socket.io.

Education

University of Waterloo, Waterloo, ON, Canada

SEP 2016 - APR 2021

Honors Bachelor of Applied Science Candidate in Computer Engineerings

Awards: Queen's Golden Jubilee Award, Premier's Citizenship Award, Hatch Entrance Scholarship, President's Scholarship of Distinction. 4.0 GPA (90%)