Chuqian Li

http://Chuqianli.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]

- Developed features in React/Redux including DNS-hosting service for client content with Lambda
- Increased security with authorization & type-checking middleware on server
- Created compressed Docker Image of multiple services & auto-scaling with Swarm + AWS
- Increased speed of web-scraping script by multiprocessing & proxying from 24 hr to 14 hr
- Reduced use of cloud storage & spending by analysing similar request data up to 40%

Robin Media, Los Angeles, CA   CO-OP [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 employee customer service time & burden by 50%
- Developed global search with querying algorithm for inclusive/exclusive tags with React/Redux

Beyond - JA, Calgary, AB   Youth Entreprenuership 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   Solo - [ONGOING]

Interview Application with recording, messaging, & transcript generation. Streams are recorded locally & 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 & upload water quality data from a water testing kit & for scientists to access & 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 & responds with appropriate Facebook reacts. Written in Python, ReactNative, NodeJS & uses in-house semantic analysis.

Log(me); | github.com/suzyng83209/htn2017   Created at Hack the North 2017

A smart journal that runs semantic analysis on user's daily logs with quantitative inputs & 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. **Cumulative GPA: 4.0 (90%**)