






# Chuqian Susan Li

 [Suzyng83209.github.io/website](https://github.com/Suzyng83209)

## Contact

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## Languages

JavaScript	Scala
Python	PHP
Java	OCaml
C++	Golang

## Frameworks & Tools

React/Redux	Docker
ExpressJS	K8s
NodeJS	EC2
Envoy Proxy	Protobuf

## Education

University of Waterloo 2016 - 2021  
B.ASc. in Computer Engineering

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

GPA: 3.8 (86%)

## Experience

### Lyft

Software Engineering Intern

Seattle, WA

Jan 2020 - May 2020

- Developed Graph **Topology service** with variable depth queries in traversal & concurrent metadata fetching for **DAG micro-service mesh** representation
- Designed async queueing system, generalized aggregation queries, generalized type and value filtering, framework for graph visualization

### Asana

Software Engineering Intern

San Francisco, CA

Jan 2019 - May 2019

- Abstracted distributed database pipeline job into **25% faster atomicised** and asynchronous processes
- Designed launch plan** with on-call/escalation procedures & monitor thresholds

### Facebook

Frontend Engineering Intern

Menlo Park, CA

May 2018 - Aug 2018

- Developed bulk updating; increased user-interaction by **3x**, revenue by **\$390k**
- Added **Regex** filtering for **code tracking script** in PHP and REasonML/OCaml
- Reduced **memory consumption** of script by **4x** maintaining runtime

### Blueprint, University of Waterloo Chapter

Project/Team Lead

Waterloo, ON

Sep 2018 - Aug 2019

- Led 2 projects** with designers and developers of different skill levels; technically **scoped & scheduled** tasks by difficulty level

### Pippa

Full Stack Software Engineering Intern

New York City, NY

Sep 2017 - Dec 2017

- Reduced use of cloud storage by 40%** by programmatically replacing like data
- Developed a **custom web audio player** (queueing, seeking, skipping, etc.)

### Robin Media

Full Stack Software Engineering Intern

Los Angeles, CA

Jan 2017 - Apr 2017

- Developed transaction process** to reduce manual customer service time **by 50%**

## Projects

### Symposio

Personal Project 2018

NodeJS, React, Watson Developer Cloud, AWS EC2, WebRTC, Socket.io, ffmpeg, Docker

- Interview application** with real-time messaging, A/V recording, transcript generation, and audio mixing

### Markov Messenger

Team Project, EngHack 2017

Python, ReactNative, NodeJS, Heroku and **custom semantic analysis algorithm**

- Facebook autoresponder using **Markov model** generated sentences populated by scraping conversation data; reacts with emoji bearing message sentiment