

Palo Alto California

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Skills

**Languages** Python · Java · SQL · Go · Javascript · HTML/CSS **Frameworks** Spring Boot · Ruby on Rails · Django · Express.js

**Tools and Others** Git · GraphQL · Docker · Kubernetes · GCP · Node.js · jquery · PostgreSQL

# Experience \_

Tesla Palo Alto, California

INCOMING SOFTWARE ENGINEERING/DATA SCIENCE INTERN (ENERGY PRODUCTS TEAM)

Sept 2019 - Dec 2019

- Will develop Python/Scala application for monitoring and diagnosing issues with Supercharger products
- Will analyze fleet-wide Supercharger telemetry data to understand overall system performance and to look for areas of improvements utilizing various data science techniques

#### **Publicis Sapient (Publicis Groupe)**

Toronto, Canada

SOFTWARE ENGINEERING/PROGRAM MANAGEMENT INTERN

June 2019 - Aug 2019

- Led a group of interns to develop a real-time ML anomaly detection microservice for Publicis Sapient NY Financial Services to
  process more than 2 billion transactions per day using Python, Flask, Docker, Kubernetes and GCP
- · Led system design and project execution of the intern project based on business requirements given by key stakeholders
- · Managed project updates for key stakeholders by synthesizing information from various cross-functional team members
- Designed and implemented a gated content subscription service to increase user engagement of a big four accounting firm's
  platform with Java and Spring Boot

**Jumpstart** San Francisco, California

GROWTH MARKETING INTERN

Mar 2019 - Present

- Provided feedback and strategies for product and engineering teams that led to an increase in user acquisition and engagement for Jumpstart's ML recruiting platform
- Conducted user research through leveraging online forums, social media and in person interviews to influence product strategy and direction

TISC Ltd. Tainan, Taiwan

SOFTWARE ENGINEER INTERN

May 2018 - Oct 2018

• Designed and implemented an application for the AERMOD software using Python that allows users to simulate dispersion of air pollutant emissions from stationary industrial sources with Google Earth

# **Projects**

## HeyTensor

HTTPS://HEYTENSOR.HEROKUAPP.COM

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 Developed an ML chat application mimics conversational behaviours with Express.js and trained model based on a massive dataset from online forum (Reddit) with Python, SQL and open source machine learning libraries

#### Greeco

HTTPS://GITHUB.COM/CHERAYLIU/GREECO

2018

• Designed and developed a web application that helps users to create awareness and improve in the cleanliness of their local communities by using Python, Django, Javascript and SQLite

### Say-gRPC

HTTPS://GITHUB.COM/CHERAYLIU/SAY-GRPC

2019

Implemented a text to speech server with Go, gRPC, Protocol Buffers, flite, Kubernetes and GCP

#### QuickShop

HTTPS://GITHUB.COM/CHERAYLIU/QUICKSHOP

2019

 Developed a GraphQL API using Ruby on Rails with PostgreSQL that allows users to access and manipulate product data through queries and mutations to perform actions on product inventory

# **Education**

**McMaster University** 

Hamilton, Canada