Victor Sun

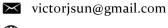✉ victorjsun@gmail.com   🔗 linkedin.com/in/victorjsun

🌐 victorjzsun.github.io   ⬤ github.com/victorjzsun

SKILLS

- Languages: Python, C/C++, JavaScript, (No)SQL, Git, UNIX
- Technologies: Node.js, REST/GraphQL, gRPC, Docker, GCP/K8s, AWS, Qiskit, GitHub/GitLab, JIRA

EXPERIENCE

Software Engineer - Wish   September 2021 – December 2021

- Achieved **99.9%** data resilience during **Kafka** failure by sending messages through a **Fluentd** aggregator service.
- Designed the service architecture and configuration, deployed the service to **K8s**, and monitored it with **Prometheus** and **Grafana** to ensure guarantees were met.

Infrastructure Software Engineer - Wish   January 2021 – April 2021

- Built scripts to analyze and convert between **Python/Go** ODM models, JSON schemas, and **mongoDB** collections used by developers across multiple teams
- Increased transparency into **AWS** SQS proxy service by adding error metrics; also added FIFO queue support

Data Engineer - Capital One   May – August 2020

- Saved an estimated **$1m** in fraud dollars per year by building customer behaviour model using **PyTorch**
- Analyzed millions of transactions stored in **Snowflake** database using **Dask** and **pandas** dataframes
- Sped up optimization by implementing Hogwild and distributed GPU processing hosted using **AWS** EC2

Solutions Developer - FairVentures Inc.   May – August 2019

- Reduced **>50%** of work/time required to write multinational policies by implementing **Vue.js** web app which streamlined intercompany data collection
- Developed **GraphQL** API to power the app, written with **TypeScript** and **Node.js**, and queried data from **PostgreSQL** database

PROJECTS

Google Sheets Add-on for YouTube Playlists

github.com/Elijas/auto-youtube-subscription-playlist-2

- Resolved 40 issues and contributed to 28 pull requests for open-source project on **GitHub** across 2 years
- Maintained **Google Apps Script** (**JavaScript**-like language) to add videos to YouTube playlist

AWARDS & CERTIFICATIONS

- IBM Certified Associate Developer - Quantum Computation using Qiskit v0.2X
- 2nd place at Def Hacks Global 2.0 and selected for Google's Covid-19 Hackathon Fund
- Best use of CockroachDB at Hack the North 2020++

EDUCATION

Candidate for Bachelors of Computer Science   Expected April 2023

University of Waterloo – Relevant courses: Operating Systems, Algorithms, Databases, Security