

# Victor Sun



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github.com/victorjzsun

## SKILLS

- Python, C/C++, JavaScript, (No)SQL, Git, UNIX
- Kubernetes, GCP, AWS, GitHub/GitLab, JIRA
- Node.js, REST/GraphQL, gRPC, Docker
- National Lifeguard Certification

## EXPERIENCE

### Infrastructure Software Engineer - Wish

January 2021 – Present

- Built scripts to analyze and convert between **Python** 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
- Presented performance visualizations created with **scikit-learn** and **Tableau** to business executives

### Solutions Developer - FairVentures Inc.

May – August 2019

- Streamlined intercompany data collection by implementing **Vue.js** web app, saving >50% of work/time required to write multinational policies
- 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](https://github.com/Elijas/auto-youtube-subscription-playlist-2)

- Resolved 40+ issues and contributed to 20+ pull requests for open-source project on **GitHub**
- Maintained **Google Apps Script** (**JavaScript**-like language) to add videos to YouTube playlist for 2 years

### VioLegacy – NYU Referral App

[violegacy.org](https://violegacy.org)

- Connected 30+ alumni to 100+ NYU students to provide referrals through a **Vue.js** web app.
- Automated testing and deployment to **Firebase** using **Jest** and **GitHub** actions.

## HACKATHONS

- 2<sup>nd</sup> 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++