Victor Sun

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SKILLS

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

EXPERIENCE

Infrastructure Software Engineer - Wish   January 2021 – Present

- Simplified the transition to a microservice architecture by building a schema framework for **mongoDB** documents and implementing automated schema validation and collection indexing/sharding.
- Built scripts to analyze and convert between existing **Python** ODM models, schemas, and existing mongoDB collections used by developers in multiple teams.

Data Engineer - Capital One   May – August 2020

- Saved an estimated $1m in fraud dollars per year by building customer behaviour model using **PyTorch**
- Added side features to matrix factorization model and added logistic regression meta-model for cold starts
- Analyzed millions of transactions stored in **Snowflake** database using **Dask** and **pandas** dataframes
- Sped up training and optimizing by implementing Hogwild and distributed GPU processing methods

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, written with **TypeScript** and **Node.js**; queried data in **PostgreSQL** database

PROJECTS

Google Sheets Add-on for YouTube Playlists
github.com/Elijas/auto-youtube-subscription-playlist-2

- Resolved 40+ issues and contributed to 20+ pull requests for an open-source project on **GitHub**;
- Maintained **Google Apps Script** (**JavaScript**-like language) to add videos to YouTube playlist for 1.5 years

VioLegacy – NYU Referral App
Private repository

- Connected 20+ alumni to 100+ students to provide referrals through a Vue.js web app.
- Automated testing and deployment to Firebase using **Jest** and **GitHub** actions.

HACKATHONS

- 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++