

Victor Kobayashi

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Skills

Languages: Python, SQL, NodeJS, TypeScript

Tooling: Airflow, DBT, Flask, Dagster, Snowflake, Postgres, React, Pytorch, Git, AWS, Docker

Experience

Software Engineer II | Super

Aug 2023 - Present

- Lead the development of numerous experiments seen by over **45K** users
- Owned the team's engineering metrics target and scored as one of the **best in company** across all metrics
- Contributed to company profitability initiatives by building a DAG to automatically exclude Super+ members from marketing campaigns
- Participated in migrating experiments for over half of the subscription vertical with no outages

Data Engineer | Super

Aug 2022 - Aug 2023

- Reduced hotel mapping run times by over **50%** by automating mapping verification tasks
- Developed a pipeline to automatically update and self host **10M+** hotel images on **AWS CloudFront**
- Built ELTs to automate data extraction from multiple fintech vendors to power the underwriting for **hundreds** of daily cash advance applications

Data Scientist Intern | Shopify

Sep - Dec 2021

- Built reports to segment marketing channel GMV by user device types
- Collaborated with product teams to develop dashboards measuring the impact of beta features
- Upgraded data job to ingest from a new payment api while maintaining compatibility with the legacy api

Machine Learning Engineer Intern | Zynga

Jan - Apr 2021

- Integrated **fluent-bit** into ML team microservices, enabling efficient event streaming into **AWS Kinesis**
- Automated microservice deployments to **EKS** development clusters with **Jenkins**
- Developed a dynamic event filtering system capable of applying **real-time** adjustments to filter criteria
- Maintained **reinforcement learning** pipeline to deliver over **5000** personalized notifications per day

Machine Learning Engineer Intern | PerkinElmer

May - Aug 2020

- Built a custom data loader for a synthetic data generation model to cut down training time by **37%**
- Introduced test driven development to the AI Research Team and built out an automated unit testing suite
- Created image augmentation modules to boost image masking performance in low performing areas

Software Developer Intern | ROSS Intelligence

Sep - Dec 2019

- Developed sign-up free trials to enable prospective clients to try ROSS while maintaining data privacy
- Created an **AWS Lambda** service to apply event tracking to over **2000** outbound emails per month
- Automated Serverless function deployments with **Travis-CI** to minimize deployment errors

Projects

OPTCG.GG 🎮

Sep 2023 - Present

- Companion site for the One Piece trading card game reaching over **1200** daily users
- Integrated Amplitude analytics to better understand how users interact with the project
- Built out internal services to support **thousands** of sales on the shop site
- Integrated database with dbt to enable data modeling and analytics

Education

University of Waterloo | Cheriton School of Computer Science

2017 - 2022

- Bachelors of Computer Science with Distinction