Victor **Kobayashi**

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Skills

Languages: Python, SQL, NodeJS, TypeScript
Tooling: FastAPI, Flask, Postgres, DBT, Dagster, React, Airflow

Experience

Software Engineer II | Super
Aug 2023 - Present
- Saved **thousands** in monthly vendor fees by creating an inhouse reward campaign budget management tool
- Lead the development of numerous cash advance 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 migrating experiments to a new workspace for half of the company 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**
- Powered the underwriting for **thousands** of daily cash advance applications by automating data processing from fintech vendors

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
- 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 to cut down generative AI model training time by **37%**
- Improved code robustness on the team by setting up a testing suite and socializing git best practices
- Created image augmentation modules to boost image masking model performance

Software Developer Intern | ROSS Intelligence
Sep - Dec 2019
- Developed one-time sign-up free sessions to provide a frictionless trial experience
- Created an **AWS Lambda** service to apply event tracking to over **2000** outbound emails per month
- Enabled seamless Serverless function prototyping by automating deployments with **Travis-CI**

Projects

OPTCG.GG 🔗
Sep 2023 - Present
- Companion site for the One Piece trading card game with **1200+** daily users
- Built out internal services to support **thousands** of product sales on the shop site
- Automated card price scraping and built analytics models to support **$20K+** in card sales
- Integrated Amplitude analytics to gain insights into feature usage

Education

University of Waterloo | Cheriton School of Computer Science
2017 - 2022
- Bachelors of Computer Science with Distinction