Christian Jairo Sarmiento

chrjmsar@gmail.com | LinkedIn: christian-jairo

Education

University of Washington, *B.S. in Computer Science*   Aug 2020 — Jun 2023

- GPA: 3.88/4.00, Cum Laude
- Relevant Coursework: Algorithms, Machine Learning, Security, Systems Programming, Database Systems, AI

Experience

Stripe, *Software Engineer — Seattle, WA*   Dec 2023 — present

- Maximized user asset investment and reduced user payouts risks by enabling automated, intraday cash movement between Stripe bank accounts with daily volume of > 1 billion dollars
- Realized **$ millions** of savings by leveraging intraday cash reconciliation to improve accuracy of transaction safeguarding and reduce need for extra insurance coverage to account for settlement amount uncertainties
- Reduced average cash reconciliation time by **34 hours** through usage of intraday transaction reporting
- Worked **cross-functionally** with Treasury Accounting to build a dashboard that aggregates important info from bank accounts across multiple data sources, saving accounting teams **several hours** with auditing
- Designed file browser for cash reporting files exchanged with financial partners, reducing lookup time from **minutes to seconds** during incident remediation, integration onboarding, and file verification

Datadog, *Software Engineer Intern — Manhattan, NY*   Jun 2023 — Sep 2023

- Connected Git to a distributed Go query engine, enabling customer repository data in cross-product queries

Stripe, *Software Engineer Intern — Seattle, WA*   Jan 2023 — Mar 2023

- Pioneered admin UI for a data transmission platform between Stripe and its partners, growing the system from 3 transmission types to 128 and increasing daily transmission volume from **1,000 to 15,000**
- Migrated 1200 objects in an active production database to a new collection, enabling list retrieval

Stripe, *Software Engineer Intern — Seattle, WA*   Jun 2022 — Sep 2022

- Improved remediation for over 1.5 billion transactions by creating an anomaly detection framework
- Identified 2 million unhealthy transactions by creating an event controller and a data export pipeline

Projects

Study Buddy   Apr 2022

- Achieved 2nd place in NeuraHack, a neurotechnology hackathon at the University of Washington
- Designed a Flask + React web app to track a user's state of focus with the Muse 2 brain-computer interface

Skills

Programming Languages — Java, Python, TypeScript, JavaScript, Ruby, Go, SQL, C/C++

Frameworks and Tools — React, REST APIs, Git, JUnit, gRPC, Protobuf

Libraries — NumPy, PyTorch