Christopher Evanko

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Summary

Backend Engineer for seed-stage startup in NYC, with a Master's in Applied Math from Princeton. Experience in startups, fintech, traditional finance, cryptocurrency. Passionate about simplistic and ergonomic design, data integrity, and computer programming.

Work Experience

August Digital; Backend Engineer New York NY; Oct 2023 - Present

- Developed internal price aggregation model for all cryptocurrency assets (Python).
- Wrote JWT authentication for username+password and public/private key sign-ins.
- Design, communicate and implement backend RESTful API.
- Setup PostgreSQL DB on Amazon AWS, implement ORM bindings.
- Wrote internal command-line tools for managing users, permissions, database, and more.

Family Office; Quantitative Developer Boston MA; May 2022 - Oct 2023

- Historical data collection and analysis, technical research for investments. (Rust, MySQL, Python)
- Automate back-end cost-basis reconciliation and portfolio tracking (Python, Google Sheets, Excel).

Block Renovation; Operations Engineer Brooklyn NY; Jul 2020 - Aug 2021

- Prototype internal tools for delivery, invoice and change order tracking via Retool + PostgreSQL.

Education

2021 - 2022 Master's (Applied Mathematics) at **Princeton University** (GPA: 3.8/4.0)
2016 - 2020 B.S.E. (Applied Mathematics) at **Princeton University** (GPA: 3.9/4.0)

Awards: Cum laude, Tau Beta Pi Eng Honor Society, Sigma Xi Outstanding Undergraduate Thesis.
Courses: Data Structures and Algorithms, Machine Learning, Analysis of Big Data, Computational Finance in C++, Monte-Carlo Simulation, Linear and Convex Optimization, etc.

Projects

KVS: A Distributed Key-value store written in Rust 2023; GitHub

In-memory key-value database, sequential log storage & compaction. Implemented Redis Serialization Protocol from scratch, client-server communication over TCP. Raft in Rust + integration in-progress.

Raft in Go 2023; GitHub

Writing an implementation of the distributed systems consensus algorithm, Raft, in Go. Implemented basic consensus, leader election, distributed append-only log.

Skills

Python	NumPy/Pandas	Jupyter Lab	SQL	Rust
R	Solidity/Vyper	Excel	Retool	JavaScript

Last updated: April 26, 2024