JACK PALAIA

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EDUCATION

Georgia Institute of Technology August 2023
*Bachelor of Science in Computer Science, **GPA: 3.78/4*** *Atlanta, GA*
Coursework: Distributed Systems, Networking, OS, DS&A, Databases, Machine Learning

SKILLS

Languages: Rust, C++, Go, Java, Python, C, Typescript, SQL
Technologies: Linux (Azure, Ubuntu), Docker, Kubernetes, AWS (S3, EC2), Git

EXPERIENCE

LinkedIn September 2023 – Present
Software Engineer *Sunnyvale, CA*
- Built Spiral, a Rust based distributed key-value database for storing 10+ PB of metadata at 1MM+ QPS with <5ms p99 latency and linearizable single-key operations
- Designed a cluster-wide backup and restore system for data integrity with a <10 minute recovery point objective
- Designed a fault-injection framework for dynamically inducing system failures into Spiral
- Designed and implemented a continuously running database benchmarking framework
- Defined observability and alerting criteria for productionization and operability
- Contributed to TiKV, an open source key-value store used as the storage layer for Spiral
- Led cross-team integration meetings for Spiral with multiple teams and projects at LinkedIn

LinkedIn May 2022 – August 2022
Software Engineer Intern *Sunnyvale, CA*
- Prototyped an asynchronous, multithreaded, distributed task execution engine for processing generic, user-defined functions and scripts. Built on top of Apache ZooKeeper. Shown to increase throughput for short-running tasks by 76% when compared to Apache Helix task framework

Amazon May 2021 – August 2021
Software Engineer Intern *Seattle, WA*
- Implemented a homepage feature that collects user interest data on topics such as activities and sports teams. Backend implemented with Java and DynamoDB, UI implemented with TypeScript.

Dreambound (SF Startup) January 2021 – May 2021
Software Engineer Intern *San Francisco, CA*
- Designed internal tool for automating the querying of credit report data for newly acquired customers
- Designed Docusign-like tool for automating creation and sending of documents for e-signatures

Nomad (Startup) December 2020 – January 2021
Software Engineer Intern *Remote*
- Implemented frontend homepage with React, including auth system with OAuth2

Georgia Tech Foundation August 2020 – December 2020
Investments Intern *Atlanta, GA*
- Designed data pipeline that ingests articles and analyzes them for sentiment using NLP techniques

Georgia Tech Student Foundation December 2019 – March 2020
Quantitative Analyst *Atlanta, GA*
- Developed a stock trading backtester for testing historical performance of in-house stock trading strategies

PROJECTS

VolunTrack | *TypeScript, NextJS* August 2021 – May 2023
- Web-based volunteer management platform that was distributed to multiple nonprofits in the Atlanta area

Reddit Video Transcription Bot | *Python, AWS EC2* August 2021

INTERESTS

- Geography - I can name/describe any country's flag, capital, or location from memory
- Other interests include hiking, skiing, tennis, golf, art history, and trivia