Jack Palaia

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Education

Georgia Institute of Technology, Atlanta, GA   *August 2023*
B.S. in **Computer Science**, GPA: **3.78/4.0**
Coursework: Operating Systems, Networking, Artificial Intelligence, Machine Learning, Analysis of Algorithms

Skills

Languages: C++, Rust, Java, Python, C, Typescript, SQL
Technologies: React, NodeJS, GraphQL, NextJS, Pandas, Git, AWS (S3, EC2), Linux (Ubuntu), Docker, Kubernetes

Experience

LinkedIn, Sunnyvale, CA   *September 2023 – Present*
Software Engineer (Backend Systems and Infrastructure) – Rust, Java
- Building a distributed key-value metadata store in Rust for LinkedIn's next-generation blob storage
- Implementing a rate limiter for generative AI models invoked through Azure

LinkedIn, Sunnyvale, CA   *May 2022 – August 2022*
Software Engineer Intern (Backend Systems and Infrastructure) – Java
- Prototyped an asynchronous, multithreaded, distributed task execution engine for processing generic, user-defined functions and scripts. Built on top of Apache ZooKeeper and accessible via REST API
- Increased throughput (tasks/min) for short-running tasks by 76% compared to Apache Helix task framework

Amazon, Seattle, WA   *May 2021 – August 2021*
Software Engineer Intern – Java, TypeScript
- Implemented a gateway feature that collects user interest data in topics such as activities, sports teams, etc.
- Developed backend interest collection service in Java with DynamoDB, and frontend UI in TypeScript

Dreambound, San Francisco, CA   *January 2021 – May 2021*
Software Engineer Intern - TypeScript, React, NodeJS, Python
- Designed internal tool for automating parts of our customer acquisition funnel for internal staff members
- Automated document creation and sending for e-signature, reducing staff operation time by 80% per customer
- Implemented internal tool for automating the querying of credit report data for newly acquired customers
- Built web scraping tool for identifying potential growth areas by scraping job and educational program websites

Nomad, Remote   *December 2020 – January 2021*
Software Engineer - JavaScript, React, NodeJS
- Improved Nomad's homepage UI with React, implemented authentication with OAuth2

Georgia Tech Foundation, Atlanta, GA   *August 2020 – December 2020*
Investments Intern - Python
- Built data pipeline that ingests emails and news articles, analyzes them for bullish/bearish sentiment using NLP (word embeddings), visualizes the data, and stores in a database
- Researched advanced NLP techniques (neural networks)

Georgia Tech Student Foundation, Atlanta, GA   *December 2019 – March 2020*
Quantitative Analyst - Python
- Developed stock trading backtester for testing historical performance of in-house stock trading strategies
- Implemented original stock trading strategies using stock and option price, volume, and volatility data

Projects

Reddit Video Transcription Bot | *Python, AWS EC2*   *August 2021*
- Developed Reddit bot that transcribes audio from video, deployed on AWS EC2 instance

Flashcard Study Tool Web App | *JavaScript, NodeJS, React*   *July 2020*

Activities/Interests

Bits of Good @ Georgia Tech | Senior Software Engineer   *September 2021 – May 2023*
Interests: Weightlifting, poker, golf, tennis, drumming, jazz music