

Trevor Xander

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Technologies

Languages: Python, Javascript, Typescript, C, C++, Java, Swift
Libraries & Frameworks: Flask, Selenium, React, Pandas, BS4, matplotlib, Django, GSAP
Databases: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB

Work Experience

Director of Product (Software Development)

February 2022 - Present

DeepMacro, Inc.

- Created an ETL pipeline for large intra-day ticker data, powered by a PostgreSQL RDS instance.
- Audited and replaced exposed SSH tunnels with secure HTTPS API to interface with system services.
- Engineered a custom scheduling system in Python 3 to fetch ticker data from various vendors, cutting down on inefficiencies in the schedule and saving over \$4000/month in fees.
- Built an ETL pipeline for massive high-frequency mobile phone location data from Parquet into a real estate research product and create performant live map visualizations on the website front end.
- Optimized speeds for clients in mainland China using CDN to deliver parts of the company website as pre-bundled HTML archive.

Lead Developer

July 2020 - February 2022

DeepMacro, Inc.

- Systematized and refactored disparate Octave code for the company's core macroeconomic model.
- Developed a Python 3 interface for Octave, enabling significantly faster iteration on research output, parallelization for batch processing.
- Migrated front-end tech stack to support both AngularJS and React components seamlessly, facilitating a smooth transition to React for new development.
- Automated website builds and deployment using Webpack and containerized in Docker allowing for easy deployments using a CI/CD pipeline.
- Designed and built templated HTML email platform using SES integration with a web interface for scheduling automated rule-based marketing emails.

Software Developer

July 2019 - July 2020

DeepMacro, Inc.

- Developed Python 2/3 cross-compatible internal tooling that streamlined development workflow.
 - Designed and built responsive web pages using AngularJS with a Node.js and Express backend and MongoDB.
 - Built a highly threaded scraping framework on top of Selenium to extract data from forum posts, housing prices, and social media posts.
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Education

Bachelor of Science in Computer Science

August 2015 - May 2019

Queens College, Flushing, NY
