

KEVIN GUO

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PROJECTS

Robinhood Stock Trading Bot

Built a stock trading bot that interfaces with Robinhood's API to fetch historical stock prices, calculate trend indicators, and buy/sell shares. It is published on my Github page (100+ stars)

Chessboard Image Analyzer

Created a Python program that reads images of chess boards, identifying pieces on squares and printing chess moves out in algebraic notation, using OpenCV for computer vision to extract individual squares on the board and Tensorflow to train a neural network to identify pieces

SKILLS & INTERESTS

Languages

Python
C#
Java
JavaScript / TypeScript
C++
C
Rust

Tools

Git
Docker
Jenkins
Bash
Ansible
Selenium
Kibana
Grafana

Database

PostgreSQL
AWS (EC2, RDS, EKS)
Microsoft SQL Server

EXPERIENCE

Incoming Software Engineer Intern at TuSimple

Aug 2021 - Jan 2022 • San Diego, CA

- TuSimple is a series E autonomous vehicle startup with \$650M in funding that develops L4 self-driving trucks to automate the freight industry
- Will be doing a fall semester co-op as a full-stack software engineer intern

Incoming DevOps Engineer Intern at Schonfeld

Jun 2021 - Aug 2021 • New York City, NY

- Schonfeld is a hedge fund in NYC that focuses on quantitative trading strategies
- Will be working during the summer on the internal DevOps team, managing CI/CD pipelines, automating Kubernetes deployments in AWS EKS, improving system reliability and security, and more

Junior Software Engineer at Other World Computing

Oct 2019 - Present • Austin, TX

- I develop full-stack applications on a team of 8 people using React frontends and .NET Core (C#) backends
- Designed a containerized service to automate part of the warehouse picking process by constantly scanning customer invoices for assemblies, resulting in faster shipments to customers
- Increased application observability by setting up Grafana dashboards and alerts sourced from Elasticsearch
- Sped up database performance by refactoring legacy SQL jobs that were being run on a frequent schedule, in one case reducing runtime from 10 minutes to 10 seconds

Software Engineer Intern at Ultra Electronics

Jun 2019 - Aug 2019 • Rockville, MD

- Developed an interactive CRUD whiteboard App for a Navy customer that is currently installed and being used within naval brigs and keeps track of inmates' activities and locations
- It is a Universal Windows App designed to run on Windows tablets and toughbooks, written in HTML/JS/CSS with C# runtime components and using the WinRT API to make system calls
- The client was pleased with my work and decided to grant the company a larger contract of an additional \$500,000 for future projects

EDUCATION

University of Texas at Austin

Austin, TX • Aug 2018 — Present • GPA: 3.8

B.S. in Computer Science