Kevin Guo

KEV.GUO123@GMAIL.COM · 2018KGUO.GITHUB.IO · 703-314-5205

EDUCATION

University of Texas at Austin, B.S. Computer Science — Austin, TX
GPA: 3.8 — Aug 2018 - May 2022

Courses: Data Structures, Operating Systems, Computer Organization and Architecture, Algorithms, Computer Graphics, Data Management, Virtualization

WORK EXPERIENCE

Schonfeld — New York, NY
Incoming DevOps Engineer Intern — June 2021 - August 2021

- Schonfeld is a hedge fund in NYC that focuses on quantitative trading strategies.
- Will be working on the internal DevOps team, helping other development teams build out their CI/CD pipelines, orchestrating Kubernetes deployments in AWS EKS, etc.

Other World Computing — Austin, TX
Junior Software Engineer — Oct 2019 - Present

- I develop full-stack applications and REST APIs using React frontends and .NET Core (C#) backends, and EntityFramework to interface with Microsoft SQL Server databases.
- 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.
- Practice Agile and Scrum in a team of 8 people, working to deliver code that improves the company's infrastructure and efficiency.
- Utilize CI/CD with Jenkins, Docker, and Octopus Deploy.

Ultra Electronics, 3eTI — Rockville, MD
Software Engineer Intern — July 2019 - Aug 2019

- Designed an interactive CRUD whiteboard App for a Navy customer to keep track of inmates within naval brigs. 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.
- Designed, coded, tested, and deployed this whiteboard app that keeps track of inmates' activities and locations. The app is currently installed and being used within certain naval brigs.
- The client was pleased with my work and decided to grant the company a larger contract of an additional $500,000 for future projects.

PROJECTS

Robinhood Stock Trading Bot *Python, NumPy, pandas*
I wrote an article about it here
Built a stock trading bot that interfaces with the Robinhood app and has been utilized by numerous other people.

Chessboard Image Analyzer *Python, OpenCV, Tensorflow*
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

Languages: Python, Java, C#, JavaScript / TypeScript, C++, some Rust and C

Tools & Frameworks: React.js, Node.js, .NET Core, EntityFramework
Git, Bash, Docker, Jenkins, Ansible, Selenium, Kibana, Grafana
Microsoft SQL Server, PostgreSQL, AWS (EC2, RDS, EKS)
NumPy, pandas, OpenCV, Tensorflow