KEVIN GUO

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EDUCATION

University of Texas at Austin   Austin, TX
B.S. Computer Science, **GPA: 3.8**   Aug 2018 - Dec 2021

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

WORK EXPERIENCE

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

- Develop full-stack applications and RESTful services using React frontends and .NET Core (C#) backends, with EntityFramework to communicate with SQL databases.

- Improved warehouse picking process by designing and developing a backend service using .NET Core running within Docker Container that automates the process of scanning customer invoices for assemblies and alerting workers to assemble the necessary items. **This feature has been requested by the CEO for years.**

- Increased application observability by setting up Grafana dashboards and alerts sourced from ElasticSearch.

- Improved 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 compact team of 8 people, working to deliver code that improves the company's infrastructure and efficiency.

- Utilize CICD with Docker containers and Jenkins for automated deployment.

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

- Sole developer for an interactive CRUD whiteboard App to fulfill a Navy customer's requirements. 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.**

SKILLS

Languages:	Python, Java, C#, C, C++, SQL, JavaScript, HTML, CSS
Tools & Frameworks:	React, .NET, Git, Docker, Jenkins, Selenium, Kibana, Grafana

PROJECTS

Stock Trading Bot *Python*
https://medium.com/@kev.guo123/building-a-robinhood-stock-trading-bot-8ee1b040ec6a
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 and Tensorflow to create a neural network to identify pieces.

Hackathon
https://devpost.com/software/statera
Won "Best Health Hack" with my team at HooHacks 2019.