Randy Guo

Software Engineer

Plano, TX 75024 ● (214) 228-1189 ● randy.guo.1@gmail.com ● github.com/randyg111

EXPERIENCE

HPE Summer Internship (June 2023 - August 2023) - Spring, TX

Worked at Hewlett Packard Enterprise (HPE) in the TaaS (Testing as a Service) team to refine YAML files in a DevOps workflow. Updated base images of Docker containers to reduce attack surface and improve security; reconfigured Github action runners to automate deployment. Exported metrics from a Kubernetes cluster with the Golang API of Prometheus and visualized with charts in Grafana.

UTD CAST STEM Bridge Summer Program (June 2022 - July 2022) - Richardson, TX

Researched and presented a project with a team at the University of Texas at Dallas about 3D Style Transfer of Dynamic Human Faces, the use of machine learning to blend human faces with various style references. Compiled large datasets and used tools such as Google Colab and Anaconda to train the StyleNeRF model.

SKILLS

Programming Languages – Java, Bash, Shell Script, Golang, C++, SQL, Python, Javascript, Typescript, HTML/CSS, YAML.

Tools/Environments – Docker, Kubernetes, Git, Linux, VS Code, IntelliJ, React, Node.js, Gradle, Grafana, Prometheus, Google Colab, Anaconda.

Teamwork – crucial for coding competitions and collaborating on the job.

Problem-Solving – important in math and programming contests.

AWARDS

HPE CodeWars 2023 First Place, a national competitive programming contest in Houston.

USA Computing Olympiad Gold Division since March 2022 after solving dozens of algorithmic problems.

Computer Science State UIL finalist with 3rd place individual and 4th place team.

National Cyber Scholar with Honors granted by the National Cyber Scholarship Foundation (NCSF).

GIAC Foundational Cybersecurity Technologies (GFACT) Certification validates knowledge of essential cybersecurity skills.

EDUCATION

Plano West Senior High School (August 2020 - Present; Graduation in 2024) - Plano, TX

Ranked 16 out of 1289 with a GPA of 4.70 and scored 1590 on the SAT. Currently an officer of Computer Club and a member of NHS. Earned perfect scores on the AP Computer Science A and AP Chemistry exams.