Griffith Thomas

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🐙 github.com/KiranWells

Software engineer with 3 years of experience in cybersecurity and application development

Experience

Spyderbat   Remote
Software Engineering Intern   *May-Aug 2021, May-Dec 2022, May-Aug 2023*

- Developed graph visualizations and dynamic tables in React JS
- Collaborated through GitHub on a single-page web application
- Configured the backend API to be OpenAPI compliant
- Instituted continuous integration and deployment with GitHub Actions
- Created DockerFiles for publishing of command-line applications

Certifications

GIAC Foundational Cybersecurity Technologies (GFACT)

Global Information Assurance Certification (GIAC)

The GFACT certification tests knowledge of foundational cybersecurity concepts and practical skills in computers, technology, and security fundamentals.

Education

Texas A&M University   3.9 GPA
Bachelors of Computer Engineering   *Anticipated May 2024*

- Enrolled in Engineering Honors Program
- Awarded National Merit Scholar

Portfolio

The source code for each of these projects is available on my GitHub page at github.com/KiranWells

Spydertop: Python HTOP-like CLI

Spydertop is a command-line application written in Python that provides HTOP-like functionality with historical data. It uses Spyderbat's public APIs, which I configured to use OpenAPI as a part of this project.

🐍 **Python**   🔗 **REST/OpenAPI**

Corgi: GPU Accelerated Fractal Engine

A high-precision fractal image generator using the Vulkan-like Rust GPU library WGPU. It uses multi-stage compute shaders to calculate the image, and renders it to the user in an immediate-mode UI.

®️ **Rust**   **Vulkan**   **GPU Compute**

Skills

- SQL, REST, gRPC
- Slack, Zoom
- git, GitHub

- Ubuntu, Arch, Amazon Linux
- Bash, ZSH
- AWS, Kubernetes