Griffith Thomas

📞 +1 (701) 289–0251   🔗 griffith-thomas-dev
📍 College Station, TX 77843   ✉ griffith.thomas.dev@gmail.com
🔗 kiranwells.github.io/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
- Developed a Python command-line application as an additional front-end for the Spyderbat API
- Produced a prototype back-end proxy server using Node JS and TypeScript
- 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

GFACT - GIAC Foundational Cybersecurity Technologies

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