STEVEN KIGHT

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stevenkight.github.io

Education

Bachelors of Science
Computer Science
The University of West Georgia
Jan 2022 - May 2024

Awards

- Certificate of Data Science
- Boyd Award of Excellence
- Dean's List

Skills

Programming Languages

- Python, C, C++, Rust, C#, ASP.Net, JavaScript, TypeScript, HTML, CSS, React, React Native, Java, MATLAB, SQL (MySQL, PostgreSQL)

Tools & Platforms

- TensorFlow, Scikit-learn, OpenCV, Git, CI/CD, Azure, AWS, Proxmox

Operating Systems

- Linux, macOS, Windows

Other Skills

- Machine Learning, REST APIs, Agile (SCRUM), DevOps, Cloud Deployment, Software Testing

Activities & Outreach

- Vice President, Association for Computing Machinery
- Member, Upsilon Pi Epsilon
- Presenter, Georgia Undergraduate Research Conference
- Contributor, UWG AI Lessons & Workshops
- Panelist, UWG STEM High School Outreach

Work Experience

Associate Automation Engineer

Aptean — August 16, 2024 - Current

- Developed and maintained Azure Logic Apps and Spring Boot services to automate cross-team workflows.
- Led automated deployments via Azure DevOps Pipelines to Azure Kubernetes servers through Helm and Docker systems.
- Collaborated in an Agile SCRUM environment, contributing to sprint planning and retrospectives.

Software Engineer Intern

UWG Research Corporation — May 2023 - May 2024

- Co-developed a mental health companion web/mobile app using React, React Native, and AWS.
- Designed responsive UIs with Figma and built secure back-end REST APIs using ASP.Net and C#.
- Wrote PostgreSQL scripts for robust and secure database interactions.
- Emphasized privacy and accessibility in both design and implementation.

Student Assistant

University of West Georgia — August 2022 - May 2023

- Tutored students in Java, Python, JavaScript, and SQL, fostering strong foundational skills.
- Graded coursework and provided constructive feedback in Web Dev and Database classes.
- Supported faculty with course planning and student engagement.

Projects

Campus Smart Assistance

Github — March 2020 - Current

- Co-developed an AI-driven personal assistant using facial and voice recognition to help students manage academic schedules.
- Built models using Python, TensorFlow, Scikit-learn, and OpenCV with an emphasis on privacy and cybersecurity.
- Ongoing enhancements include improved recognition accuracy and broader campus integrations.

High-Performance Physics Engine

GitHub — September 2023 – Current

- Developing a research-focused physics engine to simulate complex physical systems using high-performance computing (HPC) techniques.
- Implementing mathematical derivations in matrix form to model physical phenomena.
- Developed the core simulation logic using C/C++ and Fortran, with CUDA for GPU acceleration and CMake for cross-platform builds.