

LUKE KIRK

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ABOUT ME

Software Engineer with active DoD Secret clearance, Interim Top Secret clearance, and CompTIA Security+. Experienced in Agile development environments, including serving as an Interim Scrum Master. Project work includes software/hardware integration and automation. Strong background in fast-paced, team-based delivery—building CI/CD pipelines across multiple projects, developing server-based applications, and creating standardized container images and project structures so teams can deploy fully configurable environments that securely integrate databases and configuration.

EDUCATION

B.S. Computer Science, University of Oklahoma

May 2024

Gallogly College of Engineering, The Honors College

3.76/4.0 GPA

Achievements: Magna Cum Laude, Presidents Honor Roll, Deans Honor Roll, Student Congress Representative

Technical Coursework: Computer Architecture, Operating Systems, Blockchains and Cryptocurrencies, Computer Security, Advanced Database Management Systems, Linear Algebra, Cyber Attacks and Defenses

TECHNICAL SKILLS

Environment Tools: Docker, Git, GitLab, Figma, Google Cloud Platform(GCP), Amazon Web Services(AWS), Eclipse, PyQt, RedHat Enterprise Linux, Windows Subsystem Linux (WSL), Windows, Ubuntu, Kali Linux, Atlassian Tools Suite(Bamboo, Crucible, Bitbucket, Jira), Office 365 Suite, Azure Data Studio, Netlify, Cloudflare, Conda

Programming: Bash, Python, YAML, C, C++, Microsoft Azure, SQL, Java, Go, JavaScript, CSS, React, REST APIs, NodeJS, MySQL, CUDA

INDUSTRY EXPERIENCE

Northrop Grumman, Associate Software Engineer: Oklahoma City

May 2024 – Present

- Operate in an Agile CI/CD environment utilizing Git version control, build and testing automation, as well as continuous improvement with test framework and processes in Bamboo.
- Cross coordinated within team, suppliers, and customers to deliver timely product with detailed notes as one-click deployment
- Automate and stood-up production CI/CD Pipeline end-to-end including initial build, testing, packaging, and shipping

Northrop Grumman, Software Engineer Intern: Oklahoma City

May 2023 – May 2024

- Created an automated app to interpret, compare, and display data to be used for comparing real-time data to expected data values. (PyQt, C++, Python)
- Work year-round in addition to school to create and update tools and environments that were beneficial to development teams.

RELEVANT EXPERIENCE

William Kerber Student Ambassador Chair

May 2023 – May 2024

University of Oklahoma, College of Computer Science: (10 hours/week)

- Actively make suggestions and offer feedback for the School of Computer Science website, as well as mentor and recruit for the department.
- Assist students with programming, enrollment, and career questions

Technology Director

April 2023 - May 2024

University of Oklahoma, Hacklahoma Hackathon: (16-20 hours/week)

- **Full-Stack Web Application:** Manage a team of software developers with the goal of creating a web application to register for Hacklahoma's annual hackathon.
- **System Administration:** Set up and administered a Virtual Machine utilizing containers to host the website, manage passwords, develop applications in Linux, and allow encrypted file sharing for the 25+ executive Hacklahoma members.