MEG GOFORTH-HARMON

Software Engineer ◇ DOD Clearable ◇ Steamboat Springs, CO
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EDUCATION

Bachelor of Science in Computer Science, Rose-Hulman Institute of Technology *Expected 2025*
Minors: Cybersecurity, Political Science
Relevant Coursework: Introduction to Systems Programming, Computer Architecture I-II, Introduction to Database Systems, International Relations, Data Structures and Algorithm Analysis, Software Design, Advanced Database Systems, Software Requirements Engineering, Practical Security I-III

SKILLS

Programming	C, C++, C/, Java, HTML, Javascript, Verilog, SQL, RISC-V, Python, YAML, Bash
Tools/Software	Virtual Machines, AWS, GIT, Quartus Prime, Atlassian Suite, Bamboo, Kubernetes
Database Systems	MySQL, Redis, MongoDB, Microsoft SQL Studio, Firebase, Cassandra Apache, Neo4j
Operating Systems	Windows, MacOS, Ubuntu, CentOS, Rocky, RHEL8, RHEL7, SUSE

EXPERIENCE

Software Development Engineer I - Internship June 2023 - August 2023
Kratos Defense & Security Solutions *Colorado Springs, CO*

- Enabled and improved interoperatbility testing for network systems using Python, YAML, and Bamboo.
- Installed and maintained operating systems and BIOS on networking hardware.
- Wrote in-depth documentation for software and hardware processes.
- Worked in Full-Stack environments for hardware and software codesign and integration.

Software Engineering Intern June 2022 - January 2023
Direct Supply *Milwaukee, WI/Remote*

- Managed operational systems workflow and SQL databases and worked with EDI and ecommerce workflow automation through XML, Visual Basic, and C/.
- Utilized engineering scrum team management to streamline project execution.

PROJECTS

CPU Development Designed and implemented a 16-bit Load/Store CPU with a team that included a 3-stage multicycle system, 16-bit registers, and a 16-bit instruction set. Utilized Verilog to create a CPU that could run a simple assembly language program that could take user input and output in order to run assembly commands.

FPGA Board Game Design Utilized Quartus Prime FPGA Design and an Altera DE2 Development Board to develop a multiplayer game of Pong through using combinational and sequential digital logic to implement a long game using a state machine.

Portfolio Website https://meg-goforth-harmon-portfolio.web.app

ACTIVITIES AND LEADERSHIP

HACU CIA Bootcamp Career Exploration Bootcamp	*March 2022*
Alpha Omicron Pi - Delta Xi Chapter, Vice President of Membership Experience	*December 2022 - Present*
CSSE Department Mentor	*August 2022 - Present*
CSSE Deparment Instructor for Practical Security Courses	*August 2023 - Present*
Library Front Desk Worker	*August 2023 - Present*
RHIThm Acapella Club, President	*February 2023 - Present*
Study Abroad British Politics and Government Study Abroad to UK	*May 2022 - June 2022*