

Aidan Haas

CS @ UMD

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WORK EXPERIENCE

Pacific Northwest National Laboratory - Seattle, Washington

Software Engineer Intern (Remote)

May 2024 - May 2025

- Full Stack developer with some Data Science tasks.
- Worked with GitLab for deploying pipelines and creating automated tests.
- Used C# and SQL to aid development of a full stack web project for managing staff and equipment.
- Used AWS Jupyter Notebook for creating datasets. Worked with an image recognition system used for scanning images in real-time, created test cases to ensure accuracy of the model.

Comcast - Philadelphia, PA

Software Engineer Intern

May - August 2023

- Full stack developer.
- Worked with Docker, GoLang, Grafana, JavaScript, Python, MariaDB, Kubernetes, Prometheus, HTML + CSS, and Linux servers.
- Created API to monitor virtual machine package and kernel versions, and worked with Prometheus and Grafana to visualize server analytics.

University of Maryland – College Park, MD

Software Developer

August 2025 - Present

- Full stack software developer.
- Worked with Docker, Python, MySQL, and Playwright. Worked on inventory management for engineering spaces as well as a payment processing portal.
- Agile environment. Used Jira for ticket tracking, git for version control.

EDUCATION

University of Maryland

Bachelor of Science in Computer Science - 3.67 GPA

May 2025

- Minor in Human Development.

PROJECTS

Personal Cloud Server

- Created a personal Linux cloud server featuring HTTPS encryption with nginx.
- Hosts Nextcloud for file storage, Gitea for git, Jellyfin for media streaming, and PhotoPrism for my photo gallery.
- Each have their own subdomain for easy access. Used a Digital Ocean cloud server as a reverse proxy to connect my domain and create a layer of security between my server and the internet.
- QEMU PCI-E passthrough for Windows accelerated virtualization.

SKILLS

- C, C#, Go, Java, Python, SQL, XAML, HTML, CSS
- SQL Injection, Buffer Overflows, Network Security, Cryptography
- bash, vim, git, GDB, nginx, Docker, Gitea, Nextcloud, Node.js, Bash Scripting, cronjobs, Kubernetes