

CAMERON WRIGHT

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SUMMARY

Software engineer with 3+ years building internal tools and the CI/CD pipelines that ship them, most recently on AWS with Terraform.

EXPERIENCE

Northrop Grumman

Cyber Software Engineer

Associate Cyber Software Engineer

Cincinnati, OH

2026 – Present

May 2023 – 2026

- Led a team of two developers to migrate a 50+ repository, 25+ developer project to a secure network ahead of schedule, writing most of its 60+ merge requests and the onboarding guide all developers used.
- Rebuilt GitLab CI/CD pipelines, configured a GitLab Runner, and enforced repository rules in the new environment, restoring full functionality across all migrated projects.
- Set up a new test environment, wrote most of the installation tests, and helped other teams automate their testing for a multi-team CI pilot the client graded an A.
- Delivered 16 tickets and 20 merge requests on time for a new product's first release, including AWS infrastructure as code (Terraform, Terragrunt), and co-wrote its initial test plan.
- Reviewed 62 merge requests in one quarter and introduced a merge request template adopted by every GitLab repository in the program.
- Deployed and maintained dozens of compute-heavy, production-like environments for release and integration testing, managing their usage to control costs.
- Led three developers to build single-file snapshot and restore for an emulator, eliminating hour-long startups and saving hundreds of developer hours.
- Built a GDB stub for a PowerPC emulator, giving developers a remote debugger they used daily.
- Led the migration of a web application from PHP to Django, porting features and guiding teammates.

PROJECTS

AI Moon Lander

Paper

- Built a Vue web game with an AI agent for a human-AI teamwork study presented at ACM CHI 2023.

Model-Based IoT

GitHub

- Built formal test models in UPPAAL (timed automata) for a web-based IoT deployment tool.

PUBLICATIONS

K. Momose, T. Weekes, R. Mehta, **C. Wright**, J. Moukpe, T. Eskridge. Patterns of Effective Human-Agent Teams. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems*. ACM, 2023. doi:10.1145/3544549.3585608

EDUCATION

Florida Institute of Technology

B.S. Computer Science

Melbourne, FL

2023

- Upsilon Pi Epsilon honor society (top 35% of computer science students)

SKILLS

Languages

Python, Bash, C, JavaScript, PHP, SQL

DevOps and Cloud

AWS, Terraform, Terragrunt, GitLab CI/CD, GitHub Actions, Docker, Linux

Tools and Frameworks

Django, Git, GDB, Robot Framework