

Conner Gorman

DEVOPS ENGINEER

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Summary

A computer science and mathematics graduate looking to apply my skills in DevOps automation and orchestration. A self-directed learner with experience in system administration, data science, and technical support. Effective problem solver and communicator who can analyze a problem and communicate complete solutions to a team.

Education

Carnegie Mellon University

Pittsburgh, PA

MA in Philosophy, Thesis: *Freedom as Non-Delusion: James Baldwin on Freedom and Ideology*

Aug 2020 - Aug 2022

- Specialized in ethics and political philosophy
- Additional areas of competence include epistemic logic, game theory, and decision theory

University of Maryland

College Park, MD

B.S. in Computer Science, B.S. in Mathematics

Jan 2017 - May 2020

- Areas of focus included machine learning, formal logic, and complexity theory
- Received a minor in Philosophy, focusing on formal logic and causality

Employment

Department of Philosophy, Carnegie Mellon University

Pittsburgh, PA

August 2020 - July 2022

Summer Semesters

Lead Instructor

- Developed and taught political philosophy courses over the summer semesters
- Managed all aspects of the course including syllabus, lectures, assignments, and grading

Teaching Assistant

Fall and Spring Semesters

- Led discussion sections weekly, graded student assignments, and worked with students one-on-one in office hours
- Filled in for the lead instructor to give lectures

Department of Mathematics, University of Maryland

College Park, MD

Teaching Assistant

August 2019 - May 2020

- Led Calculus 1 and 2 discussion sections twice weekly
- Worked with students one-on-one and in small groups to explain calculus concepts and work through problems step-by-step
- Worked with a team of TAs and professors to administer and grade exams to courses of 100+ students

UMIACS, University of Maryland

College Park, MD

Student System Administrator

May 2018 - July 2019

- Managed large \$22 million data center with root level privileges
- Utilized Puppet and bash for state enforcement on RHEL servers and workstations
- Used Cobbler to automate the deployment of bare-metal and virtualized hosts
- Wrote a user-friendly CLI tool for viewing ZFS volume and pool information using python and bash
- Developed, tested, and deployed a power-monitoring solution for locations without network-capable PDUs or UPSs using Icinga2 and low-power networking devices
- Worked with a team of students and full-time staff to ensure rapid resolution of issues and maintain high quality of service for researchers

Projects

Homelab

Self-Hosted Testing and Learning Lab

2018-Present

- Applied professional experience to deploy a datacenter-like home lab environment
- Leveraged Ansible, Terraform, Packer, and Cloud-init to manage the deployment and configuration of bare-metal and virtual hosts
- Managed a complete network stack, including routing, firewalls, VLANs, DNS, and DHCP
- Used AWS CloudFormation to deploy a Gitea revision control server for collaboration and source code control on AWS cloud resources
- Used Github Actions to automate the building and publishing of resources on my personal website from multiple repositories

Certifications and Skills

Certifications AWS Certified Cloud Practitioner (2022)

Programming Python, Bash, SQL, R

Automation Platforms Packer, Terraform, Ansible, CloudFormation