

Devon Lewis

dev.lewis611@gmail.com | <https://www.linkedin.com/in/dev-lew/>

EDUCATION

Rutgers University New Brunswick, NJ
PhD in Computer Science September 2024 – Present

Boston University Boston, MA
B.A Computer Science & Statistics [GPA: 3.7/4.0] May 2023

Relevant Coursework:

Computer Systems, Operating Systems, Databases, Programming Languages, Algorithms, Data Science, Machine Learning, Classical Statistics, Computational Statistics

EXPERIENCE

Juniper Networks Westford, MA
Software Engineer II June 2023 – September 2024

- Developed a library to extend our microservice testing infrastructure to AWS Cloud
- Implemented and deployed dynamic network test infrastructure to AWS Cloud
- Refactored legacy deployments of distcc to use modern container technology and tooling
- Updated the provisioning process for engineer's development virtual machines
- Set up monitoring and alerting for critical infrastructure services with Prometheus and Grafana
- Configured servers manually in our on-prem data center

Boston University Boston, MA
Research Assistant (CASP Lab) January 2023 – May 2023

- Automated the deployment of Kubernetes on bare-metal machines
- Designed an experiment to verify the threading model of a microservice benchmark
- Wrote extensive documentation for large, unfamiliar codebases

Juniper Networks Westford, MA
Software Engineering Intern May 2022 – August 2022

- Added features to a microservice tooling architecture
- Gained experience with CI/CD infrastructure including Jenkins and Ansible
- Integrated with a small agile team and maintained good communication

Boston University Boston, MA
Teaching Assistant September 2020 – May 2022

- Taught self-directed discussion sections to reinforce lecture content
- Graded student code and proctored exams
- Held office hours to assist students after class

SKILLS

Proficient: Ansible, Bash, C, Linux, Python, Terraform

Familiar: CSS, HTML, Kubernetes, Ocaml, Openstack, Pandas, Pytest, R, Ruby on Rails, Rust, SQL