Devon Lewis

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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

EXPERIENCE

Department of Labor & Workforce Development — Trenton, NJ
Software Engineering Intern — June 2025 –Present
- Created GitHub Actions to automate testing and enforce code style
- Updated dependency management for an AWS Lambda LLM application
- Gained familiarity with both AWS Bedrock and Next.js frontend development

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