

Gabe Rigdon

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EDUCATION

Florida State University

Bachelor of Science in Computer Science, Minor in Mathematics

Tallahassee, FL

Expected: December 2025

EXPERIENCE

Security Engineer Intern

June 2025 – Present

Dun & Bradstreet

Jacksonville, FL

- Built 6-stage MongoDB aggregation pipeline to identify UEBA statistical outliers across GCP PostgreSQL and Alibaba Cloud systems, increasing detection coverage by over 5%, uncovering previously missed security incidents.
- Automated CIS compliance assessment of 1,000+ global database servers using CrowdStrike Query Language and modernized 50+ deprecated Splunk queries for CISO-level dashboards using Power BI or JSON & XML.
- Developed Python web scraping application using Selenium and BeautifulSoup to automate 30-minute manual health monitoring for 2 mission-critical Protegrity servers, enabling automated 24/7 monitoring.

Research Associate

May 2025 – Present

ViCS Lab & Center for European Studies, University of Florida

Gainesville, FL

- Architected automated ML hyperparameter optimization system using OpenAI API and scikit-learn, processing 45,000+ records with 100+ features and achieving 8% statistically significant AUC improvement over baseline.
- Developed group-aware cross-validation pipeline with automated class imbalance handling, reducing manual hyperparameter tuning from hours to minutes while outperforming GridSearchCV efficiency.
- Implemented comprehensive testing suite validating Python ML pipeline results against external R statistical libraries and co-authored 70% of European Political Science Association (EPSA) conference paper.

Research Assistant

December 2024 – May 2025

ViCS Lab, University of Florida

Gainesville, FL

- Produced comprehensive 5,000+ line R pipeline automating end-to-end research workflows across 4 countries, each with 2,000+ samples, 150+ features, reducing manual analysis time from 30 minutes to one-click execution.
- Led team migration from Dropbox to Git, training 2 researchers on version control and issue tracking while implementing extensive documentation and error handling for reproducible MCMC model workflows.
- Refactored legacy codebase with significant technical debt, implementing seeded reproducibility and standardized analytical procedures that boosted overall analytical research efficiency by 60%.

PROJECTS

MyShell | C, Unix System Calls

August 2025 – Present

- Engineered a Unix shell in C, managing the process lifecycle with fork() & execv() to support concurrent background jobs and complex, multi-stage pipelines via inter-process communication (pipes) and I/O redirection.

GitGarage | .NET, React TypeScript, Nginx, PostgreSQL, Docker

December 2024 – Present

- Spearheaded a 3-developer agile team to architect a full-stack vehicle service tracker, designing and implementing a RESTful API in ASP.NET with JWT-based authentication for secure data operations.
- Automated a GitHub CI/CD pipeline and Docker deployment on a hardened Ubuntu cloud server, reducing manual deployment time by 40% and increasing deployment frequency by 3x.

NodeGuard | Python, Flask, Nginx, MySQL

December 2024 – June 2025

- Designed a distributed Python application to aggregate and analyze network statistics using netstat from 5 Linode servers, enabling proactive identification of network anomalies before outages.
- Built a secure monitoring dashboard on a Lynis-compliant Ubuntu server with an Nginx reverse proxy, increasing high-alert event response time by over 30%.

TECHNICAL SKILLS

Languages: Python, C/C++, C#, TypeScript/JavaScript, R, SQL, Bash

Cloud & Infrastructure: AWS, GCP, Docker, Kubernetes, Terraform, Nginx

Frameworks & Libraries: React, ASP.NET, Flask, Node.js

Databases: PostgreSQL, MongoDB, MySQL

Security & DevOps: Splunk, CrowdStrike, Imperva, Protegrity, GitHub CI/CD, Lynis