Troy Volpe

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WORK EXPERIENCE

Rowan University Information Resources and Technology - Security Analyst Team Lead   Oct 2023 - present

– Led the Security Analyst Team for Third-Party Vendor Risk Management functions with a focus on enhancing cybersecurity measures and ensuring adherence to industry best practices throughout the University supply chain
– Contributed to the development of Rowan University's Governance, Risk, and Compliance (GRC) program
– Reviewed SOC II Reports to assess compliance with University security policy requirements
– Communicated with customers to gather detailed information on product requests
– Engaged in a strategic Tabletop Cybersecurity Exercise alongside CEO's and senior c-suite executives

EDUCATION

Rowan University B.S. in Computer Science   —   GPA: 3.4/4.0   2023–2027
– **Anticipated M.S. in Cybersecurity**   2027–2028
– **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Security+, Software Engineering I, Computer Lab Techniques (UNIX/Git/C-Programming), Cybersecurity: Fundamentals, Principles and Applications

PROJECTS

Raspberry Pi Honeypot - Headless Setup   See More

- **Network Security and Threat Analysis:** Captured attacker behavior, analyzed brute-force techniques, and shared threat data with the Internet Storm Center (ISC)
- **Linux System Administration and Hardening:** Secured Raspberry Pi OS by enforcing SSH key authentication, configuring firewall rules, and disabling unnecessary services
- **Cyber Threat Intelligence and Tooling:** Integrated Cowrie with DShield (ISC), parsed logs, and contributed to community-driven security efforts

Dev Portfolio - troyvolpe.com   See More

- **Frontend Development and UX:** Responsive React SPA with Framer Motion animations and mobile-first design
- **Backend Architecture:** Express.js server with RESTful APIs and secure cross-origin communication
- **Data Analytics and Privacy:** Real-time visitor tracking with structured logging and transparent data practices

Raspberry Pi Domain Host - Headless Setup   See More

- **Web hosting and Server Setup:** Deployed and optimized an Nginx web server on Raspberry Pi for lightweight, efficient hosting
- **Networking and Domain Management:** Managed network configuration including port forwarding, IP setup, and DNS linking to enable public-facing services
- **Security and Deployment:** Hardened server security using SSH and firewall configurations; Setup using Cloudflare for enhanced security

Simple Login System – Full Stack   See More

- **Frontend and Backend Development:** Built responsive UI with HTML/CSS/JS and developed RESTful APIs using Flask
- **Authentication and Session Management:** Implemented secure login flow, session persistence, and input validation
- **Modular Architecture and Debugging:** Structured codebase for maintainability, added error handling, and resolved CORS and port conflicts

TECHNOLOGIES

Languages: Python, Java, JavaScript, HTML, CSS, UNIX/Linux, Bash
Frameworks and Tools: React, Flask, Express.js, Nodemon, GitHub, GitLab, Trello
Platforms and OS: Windows, MacOS, Ubuntu, Kali Linux, Raspberry Pi OS
Security and GRC: ServiceNow, OneTrust, Cloudflare, Cowrie, SSH, DShield
Design and Engineering: Lucidchart, Blender, AutoCAD, Solidworks, ArduinoIDE