Seamus Hennigan

Cybersecurity student at Johnson & Wales University, pursuing a B.S. in Cyber Threat Intelligence & Defense (Graduating May 2028). Treasurer of the National Cybersecurity Student Association, coordinating events and managing organizational resources. Passionate about network defense, cloud security, IAM, and GRC. Experienced with Python, SQL, C, Linux, and penetration testing tools including networking tools and environments like Wireshark, Cisco IOS. I am active in expanding my knowledge outside the classroom Through creating my own projects. I am dedicated to advancing modern cybersecurity practices and contributing to secure infrastructure solutions.

EXPERIENCE

Johnson & Wales University, Providence, RI   January 2026 - Present

Assistant Network Technician

- Supported campus network operations by ensuring reliable end-user connectivity and overall system performance.
- Responded to service desk tickets related to both data and voice networking issues.
- Diagnosed and resolved wired and wireless network problems, including testing and troubleshooting data jacks and Wi-Fi access points.
- Configured network switches, access points, and end-user devices to meet university standards.
- Maintained network closets, ensuring organized cabling, proper equipment function, and clean environment.
- Patched network jacks into appropriate switch ports during new deployments or troubleshooting.
- Installed, configured, and tested VoIP phones, headsets, and related hardware.
- Replaced faulty or degraded networking equipment across campus as needed.
- Assisted with large-scale campus networking initiatives, including upgrades, new installations, and access-point rollouts.

Projects

WeatherETL (January 2026 – February 2026):

- Engineered AWS Lambda-based ETL pipeline with EventBridge scheduling to automate real-time weather data collection and processing
- Managed PostgreSQL database on EC2 as an IaaS solution with optimized schema design for weather observations and data quality logging
- Built interactive data visualizations using Docker-containerized Apache Superset, enabling real-time monitoring and analysis of weather patterns and trends

Signal-Keylogger (2024-2026):

- Developed a custom keylogger application in Python/PyQt5 with SSL-secured client-server communication
- Implemented real-time monitoring with a GUI for displaying Keystroke, system info, and geolocation data

PERSONAL INFO

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https://seamus-hennigan.github.io/cybersec-portfolio/

https://www.linkedin.com/in/seamus-hennigan-960a43296/

https://github.com/Seamus-Hennigan

PROFESSIONAL SKILLS

Languages:
Python, C, HTML, SQL, JavaScript, Bash/Zsh Scripting

Operating Systems:
Kali Linux, Ubuntu, Arch, Windows 10-11

Networking & Security:
Cisco IOS, Wireshark, Nmap & Metasploit, Subnetting & Network Troubleshooting

Cloud Platforms & Services
AWS (Lambda, S3, IAM, EC2), AWS CLI

Databases:
MySQL, PostgreSQL, MySQL Workbench, Database Management & Design

Virtualization:
VirtualBox, VMware

Development Tools:
Git & GitHub, Docker, Visual Studio, JetBrains IDEs (PyCharm, WebStorm, Clion), PowerShell ISE

EDUCATION

Johnson & Wales University, Providence, RI
Bachelor of Science in Cyber Threat Intelligence & Defense
Expected Graduation: April 2028
Involvement: Treasurer, National Cybersecurity Student Association