Tyson Shannon

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Profile Summary

Driven Computer Information Technology student with hands-on experience in cybersecurity, software development, and data visualization. Skilled in leveraging defense strategies, new technologies, and AI tools to enhance organizational security and efficiency. Passionate about innovation and delivering impactful solutions in dynamic technical environments.

Skills

- **Coding Languages:** Python, Java, C, C++, Ruby, GO, SQL, KQL, R, MATLAB
- **Technologies:** GitHub, Docker, Linux, Kali Linux, Azure, Jira, Sentinel, Defender, Red Canary, Rapid7, Cortex XDR, CloudFlare, Forescout, Jupyter, Power BI, RStudio, MySQL, Visual Studio Code, VirtualBox, TensorFlow
- **Abilities:** Incident response, data analysis & visualization, technical documentation, team collaboration, learning new technologies & languages

Work Experience

Pembina Pipeline Corporation | May 2023 - Aug 2025 | 12 months total

Cyber Security Summer Intern

- Learned about common vulnerabilities and exploits, the MITRE ATT&CK framework, and cyber/software best practices.
- Developed a python visualization script for our phishing simulation data to solve an integration issue that would have put us 6 months behind schedule. It is now used monthly by management.
- Developed four KQL dashboards in Microsoft Sentinel for monthly reporting to higher ups.
- Participated as a purple team member in a penetration testing engagement.
- Conducted incident responses on several non-simulated attacks, utilizing OSINT and CSINT to gather information and respond accordingly.
- Wrote twenty knowledge base articles for many of our company's cyber technologies and practices to help train AI agents and new hires.
- Developed our team's AI support bot in Copilot Studio to ease support tickets off our analysts and improve workload balance.
- Developed skills in a number of tools including Azure, Sentinel, Defender, Red Canary, and Jira.

Minnesota State University | Aug 2024 - Nov 2025

Marketing and Social Media Coordinator

- Organized advertisements and social media campaigns promoting academic clubs and leadership opportunities on campus.
- Planned and led leadership events throughout the year.
- Managed a team of two interns to capture photos of events on campus.
- Worked office hours to help answer questions from students and staff.

Real Canadian Superstore | Jun 2020 - Dec 2021

Grocery Clerk

- Accomplished assigned tasks in a high-pressure environment during the pandemic.
- Practiced good customer service while balancing other responsibilities.
- Filled new positions to ensure smooth operations and became available when extra workers were needed.

Education

Minnesota State University, Mankato | Dean's List | Sep 2022 - Expected May 2026
- Bachelor of Science in Computer Information Technology
- Minor in Mathematics
- Certificate in Software Development
- Activities: NCAA D2 Track and Cross Country, Cyber Security Association, Maverick Involvement Team, ColorStack
- Relevant Classes: Data Structures, Algorithms, Computer Architecture, Database, Networking, Software Quality Assurance and Testing, Info. Sec., Machine Learning

Projects

BerryTV | https://github.com/Tyson-Shannon/berryTV
A python application designed to turn any Linux device into a smart TV utilizing the existing browsers and file management system. The application runs a local webserver allowing the user to use their phone as a remote. The design of the app allows for endless customization, giving the user access to far more services than a traditional TV OS.

Internship Bot | https://github.com/Tyson-Shannon/Internship-Bot
A chat bot that scrapes for new internship postings and shares them with the Minnesota State ColorStack's club Slack chat. It utilizes the Slack SDK python library and a custom GitHub Action.