

Stephen Ender

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EDUCATION

James Madison University, Harrisonburg, VA
Bachelor of Science in Computer Science
Minor: Computational Analytics

Expected Graduation: May 2025
GPA: 3.3

PROFESSIONAL EXPERIENCE

Information Technology Intern

May 2022 - August 2022; June 2024 - August 2024

St. Luke's University Health Network, Bethlehem, PA

- Responded to cyber security incidents using Microsoft Sentinel and Microsoft Defender XDR
- Planned, executed, and presented results of phishing attack simulation training for over 10,000 employee accounts
- Prepared Disaster Recovery after action reports
- Investigated threats by writing KQL queries with Microsoft Defender XDR Advanced Hunting

CERTIFICATIONS

- NSA Information Systems Security Professionals Certification In Progress
- CompTIA Security+ July 2023
- CompTIA Network+ June 2023

SKILLS

Python, C, Java, JavaScript, HTML/CSS, Ruby, Agile Methodology, Microsoft Defender XDR, OpenSSL, Wireshark, Linux

CYBERSECURITY PROJECT EXPERIENCE

Ethical Hacking Project and Labs, Cyber Defense (CS458)

January 2025 - Present

- Setup penetration testing lab environment with virtual machines, performed vulnerability analysis, and created after-action pen test report document
- Hands-on laboratory experience using Kali Linux performing vulnerability analysis, password auditing, SQL Injection, network reconnaissance and port scanning, enumeration and mapping, cross-site scripting, and firewall and Snort IDS/IPS configuration

Networking Packet Analyzer, Advanced Computer Networking (CS455)

January 2025 - March 2025

- Implemented a simple packet analyzer program that deconstructs a PCAP file into a human readable packet summary.
- C programming, computer networking, and systems application development skills

File Encryption Send/Receive, Information Security (CS457)

October 2024 - December 2024

- Developed a program that simulates a secure message send and receive process using the Needham-Schroeder Key-Exchange model
- C programming, OpenSSL Cryptography Library, confidentiality and integrity, inter-process communication skills

APPLICATION DEVELOPMENT PROJECT EXPERIENCE

SARR Tournament Manager, Application Development (CS343)

March 2025 - Present

- Design and development of a client side tournament manager application
- JavaScript, HTML, and Bootstrap CSS
- CRUD functionality with JSON and browser local storage
- Integration with OpenWeatherMap and Google Maps APIs

JMUvies, Software Engineering (CS345)

October 2023 - December 2023

- Planning and development of movie review based social media network
- SCRUM development, JavaScript, HTML, and CSS
- Successfully integrated *The Movie Database (TMDB)* API with software to display movie information to users

Phi Mu Alpha Sinfonia Website, Personal Project

August 2024 - October 2024

- Development of a website for my fraternity's chapter at JMU
- Successfully integrated Google sheets RESTful API to store and fetch brother directory information

LEADERSHIP ORGANIZATIONS AND COMMUNITY INVOLVEMENT

Secretary of Phi Mu Alpha Sinfonia, Gamma Alpha Chapter, Harrisonburg, VA

March 2024 - Present

- Verbal and written communication skills
- Ability to work independently and collaboratively on projects
- Personal and professional growth while working on executive committee and managing chapter resources

JMU Pep Band

October 2021 - April 2025

Marching Royal Dukes

August 2021 - December 2023