Shyann Francis
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OBJECTIVE

Student of Computer Science and Cybersecurity at St. Mary's University with experience in Cybersecurity Research and IT Technical Support. Experience in Encryption tools and the NIST Framework. Looking for a cybersecurity internship to better grow my skillset.

EDUCATION

Bachelor of Science Computer Science - Cybersecurity Focus   **Expected - May 2024**
Minor in Mathematics
St. Mary's University, San Antonio, TX
> • **Cumulative GPA:** 3.1

Scholarships: Madeline Merit Scholarship (August 2020)
Relevant Coursework: Object Oriented Programming, Cybersecurity Risk Management, Probability Theory
Current Coursework: Software Engineering, Computer Networks, Calculus 3

SKILLS

> • **Programming Languages:** C, Java, and C++, HTML, Bash, Git, Python, JavaScript, CSS, PowerShell
> • **Software:** Microsoft Visual Studio Code, Dev C++, HashiCorp Vault, Wireshark, GitHub
> • **Soft Skills:** Adaptability, Interpersonal and Communication Skills, Networking, Problem-Solving

RELEVANT EXPERIENCE

Technical Support Specialist   **September 2022 - Current**
St. Mary's University School of Law, San Antonio, TX
> • Develop technical specifications and software installation manuals to assist faculty and staff in product usage.
> • Edit past versions of code using shell script to better benefit the Law School's record system.

Chimera Tournament Management System Project   **January 2023 – Current**
Software Engineering, St. Mary's University, San Antonio, TX
Developed a program utilizing Visual Studio Code and SMSS SQL to create a tournament management website with interactive brackets.
Research Involved:
> • Connected an HTML website to a SQL database resulting in the ability to contain multiple users.
> • Utilized HTML and CSS to create an interactive bracket to better improve the User Interface of the system.

Research Assistant - REU   **May – July 2022**
National Science Foundation, Tennessee Tech University, Cookeville, Tennessee
Designed a Python program, Operating HashiCorp Vault, utilizing the <hvac> library that allows the user to operate the HashiCorp Vault server through sending, retrieving, and deleting secrets.
> • Examined research and computer programs to problem-solve recurring issues within the research process.
> • Presented findings to the Head Researcher and university faculty.

Research Involved:
> • Reviewed the functions of the <hvac> library to troubleshoot and utilize within research.
> • Programmed an environment and worked with a developmental server for Vault to better understand tool functionality and improve overall coding and debugging skills.

Encryption and Decryption Project   **August – December 2021**
Object Oriented Programming, St. Mary's University, San Antonio, TX
Developed a program using Visual Studios in C++ that returns an encrypted or decrypted user input number.
Research Involved: Reviewed the breakdown of integers into digits and the creation of a header file.
> • Developed a header file 'seperateNum.h1' to be used in other C++ projects.
> • Demonstrated understanding of the 'const' type qualifier to maintain a secure program.

LEADERSHIP EXPERIENCE

Vice President   **February 2021- Current**
Safe Space, St. Mary's University, San Antonio, TX
> • Lead a team of 6 people in board and public meetings to plan events and fundraisers.

Building Supervisor   **February 2021- May 2022**
St. Mary's University Athletic Center, San Antonio, TX
> • Communicate gym policies to students, faculty, and staff for the safety of all patrons
> • Create and track quality assurance reports and assist in the facility's maintenance.

Chair of Fundraising/Philanthropy   **May 2021 – January 2022**
Sigma Sigma Sigma Sorority, St. Mary's University, San Antonio, TX
> • Direct the planning of a fundraising activity, Sigma Spike Fest, to raise $600 for Sigma Saves Children.