

Matthew Morrison

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EDUCATION

Rochester Institute of Technology (RIT) | Rochester, NY

Aug. '22 – May '26

B.S. in Computer Science | GPA: 4.00 | Dean's List: All Semesters

- Minor in Free and Open Source and Free Culture & Exercise Science
- Member of Honors College
- **Relevant Courses:** Analysis of Algorithms, Principles of Data Management, Intro to Cryptography, Mechanics of Programming, Intro to CS Theory

PROFESSIONAL EXPERIENCE

Software Security Researcher Internship | RIT Cybersecurity Institute | Rochester, NY

April '23 – Aug. '23

- Spearheaded contributions to a government-sponsored research project, focusing on Software Bill of Materials (SBOM) and Vulnerability Exploitability eXchange (VEX) documents.
- Developed tools relating to SBOM and VEX: SBOM-in-a-Box and SBOM-Plugfest.
- Played a pivotal role as a contributor to a comprehensive research report, critically analyzing both Open Source and Proprietary SBOM tools.

Website Designer | Our Stonehenge LLC | Frederick, MD

June '20 – Nov. '23

- Conceptualized and executed a visually appealing and user-friendly website for Our Stonehenge family business, employing creativity and technical expertise.
- Utilized the WIX interface to design and organize the website, ensuring a seamless and engaging user experience.

PROJECTS

Implementation of Computer Science Theory Mathematical Results | Python

- Developed comprehensive Python program highlighting principles and results from automata theory, formal languages, and computability.
- Visualized complex mathematical results acquired during the Introduction to Computer Science Theory course, displaying a deep understanding of theoretical concepts.

Password Bank | Python

- Constructed a program with Python's Tkinter package to hold multiple users' login information within binary files encrypted with Pyca cryptography's symmetric encryption recipe.

EXTRACURRICULARS

Sigma Alpha Mu | Philanthropy Chair, Scholarship Chair | RIT

May '23 - Present

- In charge of planning and execution of fundraising philanthropic events for the chapter.
- Enforced academic policies and supervised brothers that fell below the GPA standards of the chapter.

Ice Hockey Goalie | Various Locations

2010 - Present

- Current goaltender for the RIT Men's ACHA Club Ice Hockey Team.

SKILLS

Programming Languages: Python, Java, C, C++, SQL (PostgreSQL), HTML/CSS

Technologies: Angular, GitHub, Git, Software Bill of Materials (SBOM), Vulnerability Exploitability eXchange (VEX), Database Management, Algorithm Design, Cryptography Concepts, Visual Studio, IntelliJ

Soft Skills: Adaptability, Time Management, Problem Solver, Organized, Teamworking Abilities, Quick Learner, Flexibility