

RYAN SIPPY

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EDUCATION

University of Cincinnati

Master of Science, Computer Science

Graduating: May 2027

- GPA: 4.00

Bachelor of Science, Computer Science

Graduating: May 2027

- GPA: 4.00
- Minor: Business Analytics

SKILLS

Programming: C++, Git, SQL, R, MATLAB, VBA, Python, Pandas, Matplotlib, Scikit-learn, OpenCV2

Software: Microsoft Office, Wireshark, Metasploit, Hashcat, John the Ripper

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

Other: Windows and Linux Command Line, Nmap, Nvidia OpenGL, CUDA

WORK EXPERIENCE

Siemens DISW| NX Software Development Co-op| Milford, Ohio

Jan 2024 – Dec 2024

- Worked with the visualization team of full-time developers to improve the NX CAD/CAM software
- Created a tool to create custom SVM materials based on legacy material data
- Utilized Computer Vision Software to evaluate and implement a low-resolution material set, resulting in 1GB of space savings
- Developed material loading optimizations that resulted in the memory required to open a specific assembly going from 128GB to 30GB

Esporta Fitness | Club Pride | West Chester, Ohio

May 2023 – Aug 2023

- Worked with a team of peers and supervisors to perform routine cleaning and maintenance and report any repairs or inventory shortages to ensure the tidiness, safety, and aesthetic appeal of the facility

MediTechSafe | Cybersecurity Intern | Hamilton, Ohio

May 2020 – Aug 2020

- Initiated a local PostgreSQL database, using python scripts to scrape data from websites, and parsing data out of JSON files to be inserted into a database

CERTIFICATIONS

Security+ | CompTIA, Illinois

Aug 12, 2022

- Completed a personal study of cybersecurity software and hardware fundamentals, which culminated in passing the certification exam

Ethical Hacker Pro | TestOut, Utah

May 8, 2022

- Learned ethical hacking and penetration testing fundamentals using software including Kali Linux, Metasploit, Nmap, Hashcat, and Wireshark

ACTIVITIES

ACM@UC (Association for Computing Machinery) | Member

Sep 2022 – Present

- Educate students about popular technology through workshops, presentations, and informational lectures by professors, guest speakers, and peers

UC-IEEE (Institute of Electrical and Electronics Engineers) | Member

Oct 2022 – Present

- Attend bi-weekly meetings featuring remarkable speakers to discuss topics of innovation, emerging technologies, entrepreneurship, and professional development

AWARDS & HONORS

Mantei Mae Scholar

April 2024 – Present

Dean's List

Aug 2022 – Present

Cincinnati University Scholar

Aug 2022 – Present

University Honors Scholar

Aug 2022 – Present

National Merit Scholarship

Oct 2021

National Cyber Scholarship Scholar

May 2021 – May 2022

AVAILABLE FOR CO-OP: SUMMER 2025