Mary Cotrupi

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EDUCATION

Rensselaer Polytechnic Institute | Troy, NY

B.S. in Computer Science and Information Technology & Web Science | **GPA:** 3.8+/4.0   **Expected May 2027**

Relevant Courses: Computer Organization, Data Structures, Foundations of CS, Web Systems Development

Dean's Honor List: Fall 2023, Spring 2024

TECHNICAL SKILLS

Certifications: ISC2 Certified in Cybersecurity (CC), CompTIA IT Fundamentals+ (ITF+)

Languages & Tools: Python, C++, HTML/CSS/JavaScript, R, Git, Kali Linux, WordPress

RELEVANT EXPERIENCE

Rensselaer Cybersecurity Collaboratory | **Research Assistant** | **Troy, NY**   **Aug 2024 - Present**

- Presented "Generative AI for Cybersecurity Awareness Training: Skills, Strategies, and Accountabilities" at BSides St. Pete 2024, a leading national cybersecurity conference | *St. Petersburg, FL – Sep. 2024*
- Conducted research under Dr. Brian Callahan on integrating AI/ML to enhance information security.
- Performed data collection, data analysis, and dissemination.

Rensselaer Cybersecurity Collaboratory | **CTF Team** | **Troy, NY**   **Aug 2023 - Present**

- Member of the #1 collegiate CTF school in the country (RPI) in the National Cyber League Fall 2023 season.
- Placed 401st out of 4199 teams as a single-person team in the National Cyber League Spring 2024 season.

The Porch LLC | **Web Designer and Media Manager** | **Sandwich, NH**   **July 2021 - Present**

- Built https://theporchnh.com with WordPress, HTML/CSS/JS; implemented SEO best practices to reach 4000+ users.
- Managed social media and online presence across Instagram, Facebook, Yelp, Bing, and Google.

PROJECTS

Moultonborough Academy Computational Design | **Team member**   **Fall 2022**

- Mapped 500 LEDs on a Christmas tree and developed 15+ animations in Python and C++ for Arduino UNO to display festive 3D light animations for community members.

LEADERSHIP EXPERIENCE

Student Leadership | **Rensselaer Cybersecurity Collaboratory** | **RPI**   **Fall 2024-Present**

- Organized weekly CTF team meetings, increasing participation from all majors at RPI.
- Taught weekly meetings on CTF topics such as Open Source Intelligence and Forensics.

Student Leadership | **ISC2 Capital District NY Chapter** | **RPI**   **Fall 2024-Present**

- Organized monthly chapter meetings, bringing together students and cybersecurity professionals.
- Worked with ISC2 leadership to create a cybersecurity academic conference and career fair at RPI.

Sub-principal violin | **Rensselaer Orchestra** | **RPI**   **Spring 2024 - Present**

- Co-ran 2nd violin sectionals.

ACM-W | **Fundraising Chair** | **RPI**   **Spring 2024**

- Proposed and implemented fundraising initiatives to encourage the involvement of women in computer science.

EXTRACURRICULARS AND ADDITIONAL EXPERIENCE

8+ years experience in fiddle and classical repertoire. Professional experience in the visual arts, fulfilling 20+ art commissions and winning various regional awards. High School Salutatorian, 4.00 GPA, 1400+ SAT; NHS, Nordic Ski Team, Math Team.