

MARY COTRUPI

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EDUCATION

Rensselaer Polytechnic Institute (RPI)

Troy, NY

Bachelor of Science in Computer Science and Information Technology & Web Science (ITWS)

May 2027

Dean's Honor List (GPA 3.5+)

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

TECHNICAL SKILLS

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

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

PROFESSIONAL EXPERIENCE

Rensselaer Cybersecurity Collaboratory

Research Assistant

Fall 2024

- 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*
- Conduct research under Dr. Brian Callahan on integrating AI/ML to enhance information security

Capital District NY ISC2 Chapter

- Network with cybersecurity professionals at monthly industry talks in the Albany area

The Porch LLC

Sandwich, NH

Web Designer and Media Manager

July 2021-Present

- Built theporchnh.com with WordPress, HTML/CSS/JS; implemented SEO best practices to reach 4k+ users
- Manage social media and online presence across Instagram, Facebook, Yelp, Bing, and Google

LEADERSHIP & PROJECTS

RPI ACM's Women in Computing Club

Fundraising Chair

Spring 2024

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

Moultonborough Academy Computational Design

Moultonborough, NH

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

ADDITIONAL EXPERIENCE

The Arts: Sub-principal violin in Rensselaer Orchestra; 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