

JUSTIN MOCZYNSKI, M.S.

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CYBER SECURITY PROFESSIONAL

Perseverance | Discipline | Creativity | Enthusiasm | Growth

CORE COMPETENCIES

Python (Flask, Numpy, Pwntools, PyTorch) | C | Operating Systems (Linux, RTEMS, FreeRTOS) | QEMU | R | SQLite | JS (React) | HTML | CSS (Bootstrap) | Java | Arduino | C++ | Binary Exploitation | Graph Theory | Mathematical Proofs | Emulation | Computer Hardware | Computer Networks | Databases | Cryptography | Data Structures | Algorithms | Data Analytics | Digital Forensics

PROFESSIONAL EXPERIENCE

Lockheed Martin, Cherry Hill, NJ

ASSOCIATE CYBER APPLIED RESEARCH SCIENTIST | 11/2023 – 9/2025

- Developed software for researching operating systems (x86/x86_64, ARM, and PowerPC), networking protocols, inter-process communication, socket applications, and computer hardware using C, C++, and Python
- Designed programs that both emulated and integrated with computer hardware components such as a seven-segment display
- Created programs that supplemented and interacted with existing operating system capabilities
- Researched methods for intercepting and manipulating incoming network data at various levels of the computer network model before it was transmitted
- Utilized reverse engineering and debugging tools such as Ghidra and gdb to analyze binaries to identify root causes of vulnerabilities, mitigate associated risks, and implement appropriate corrective measures
- Designed and delivered presentations to staff and stakeholders about initial research objectives, progress, and results

Additional Experience:

Brasil's Nightclub | Event Staff | 10/2025 – Present

Worcester Polytechnic Institute | Lifeguard | 5/2022 – 5/2023

Worcester Polytechnic Institute | Event Staff, Swimming & Diving | 10/2021 – 5/2022

Ithaca College | Lifeguard | 6/2019 – 5/2021

Ithaca College | Course Grader, Mathematics Department | 1/2019 – 5/2019

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

MASTER OF SCIENCE (M.S.), CYBER SECURITY | 5/2023

- Activities & Involvement: Swimming & Diving Team - NCAA Division III, NEWMAC Conference (2021-2022)
- Selected Accomplishments: 5 diving records (4x WPI team, 1x USCGA pool) ~ NCAA Regional Qualifier (2 events) ~ WPI team men's MVP award ~ Conference All-Academic

Ithaca College, Ithaca, NY

BACHELOR OF SCIENCE (B.S.), MATHEMATICS | 5/2021 (cum laude)

BACHELOR OF ARTS (B.A.), COMPUTER SCIENCE | 5/2021 (cum laude)

MINORS: Honors Interdisciplinary Studies, Business Administration, Business Analytics

- Activities & Involvement: Swimming & Diving - NCAA Division III, Liberty League Conference (2017-2021) ~ Student Leadership Institute (2017-2021) ~ Nutrition Club, Treasurer (2019-2021)
- Selected Accomplishments: Upsilon Pi Epsilon Computer Science Honors Society (Spring 2019) ~ Chi Alpha Sigma Student Athlete Honors Society (Spring 2021) ~ CSCAA All-American (4x) & Scholar All-American (2x) ~ NCAA Championship Qualifier (6 events) & Regional Qualifier (8 events) ~ Conference Diver of the Year (2020) & All-Academic (3x)

COMMUNITY VOLUNTEERING

Estilo Dance Studio, Philadelphia, PA

ADMINISTRATIVE ASSISTANT / ASSISTANT INSTRUCTOR (SALSA ON 1 & BACHATA) | 8/2025 – Present