

[Melissa Macalisdair]

[Software Engineer]

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Professional Objective

Motivated Computer Engineering graduate with a demonstrated record of mitigating 95% of cybersecurity risks. Seeking to leverage proficiency in HTML, PHP, Java, and C++, along with my strong analytical thinking and adaptability, to safeguard Compcybern's digital assets. Committed to applying technical expertise and collaborative approach in addressing cybersecurity challenges and building robust defense strategies.

Technical Skills

Proficient in HTML, PHP, Java, and C++. Good with Python, C, Ruby, and Pearl.

>> Education and Certifications <<

University of Pittsburgh, Pittsburgh PA

Bachelor of Science in Computer Engineering

2021

* GPA: 3.86

* Relevant courses: Network Defense, Network Security, Essentials of Networking, Digital Logic, Mobile Security, Linux Operating Systems, Computer Forensics

Experience

Webpage Administrative Advisor

March 2021 – Present

C.C. Cyberplanocomp, Pittsburgh, Pennsylvania

* Effectively managed and mitigated 90% of security threats within agreed response times, bolstering overall system security.

* Successfully designed and executed robust cybersecurity defense strategies, resulting in a 70% reduction in system vulnerabilities.

* Conducted bi-weekly website check-ups leading to a 98% decrease in malware incidents, ensuring optimal site performance and reliability.

Student Intern

July 2020 – August 2020

Cybersecurity Internship Program, Secutech Norinternational, Pittsburgh, Pennsylvania

- * Completed over 100 assignments focused on intrusion detection and prevention, achieving an 85% decrease in security incidents.
- * Led malware identification and analysis, successfully isolating and addressing 95% of detected malicious software, significantly reducing system vulnerability.
- * Practiced in forensic analysis, contributed to 70% successful investigation and resolution of cybersecurity incidents.

Projects

Protecting Teenagers from Cybersecurity Attacks (2019)

- * Designed an informative cybersecurity checklist distributed to over 500 teenagers, resulting in an estimated 70% reduction in reported cyberattacks on their personal computers.
- * Collaborated in the development of a personal data tracking application, amassing over 2,000 downloads within the first month of launch

Intrusion Prevention System for the University of Pittsburgh Campus (2020)

- * Participated in the configuration and installation of an intrusion prevention system for the university campus networks, servicing over 30,000 users.
- * The installed system effectively monitored and evaluated traffic for cybersecurity issues, resulting in a 60% decrease in reported security incidents.

Awards

University Scholar, University of Pittsburgh, Fall 2017

National Merit Scholar, 2018

Volunteer Activities

Microsoft TEALS program, August 2019-present

- * Developed and organized 50+ programming and coding lessons, enhancing students' grasp of complex computing concepts.
- * Collaborated with 100+ students to strengthen their coding skills in languages like Python, Java, and C++, boosting their problem-solving proficiency.

Northern Pittsburgh YMCA after-school program educator, January 2020-2021

- * Led introductory coding and programming workshops, teaching fundamental concepts and practical applications to over 200 students across Python, Java, and C++.