

Kimberlynn DeBolt

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EDUCATION

Bachelor of Science Degree, Cybersecurity
University of Detroit Mercy- Detroit, MI
Expected Graduation: Fall 2025

Associate in Applied Science Degree, Computer Information Systems – Cybersecurity
Henry Ford College- Dearborn, MI
Graduated May 2023

SKILLS AND CERTIFICATIONS

- **Operating Systems:** Windows, Linux (ubuntu, Kali), macOS
- **Programming:** C++, SQL, Bash/PowerShell, CSS/HTML
- **Virtualization:** VirtualBox, VMware, Docker
- **Other Tools/Software:** Microsoft 365, JIRA, Confluence, Nmap, Nessus, Wireshark, Metasploit, Ghidra, Burp Suite, OPNSense, Snort, IDAPro
- eJPT (in progress) | INE Security **EST Dec 2025**
- Security+ | CompTIA **Jan 2024**
- Certified Ethical Hacker | EC-Council **Dec 2023**
- Certified in Cybersecurity | ISC2 **Sep 2023**

PROFESSIONAL EXPERIENCE

Security Operations Analyst

Aug 2021 - Aug 2023

FIS Global, Comerica Bank Detroit, MI

- Communicated and collaborated with internal and external correspondents to provide production support, reconciliation, and settlement of various financial securities such as stocks, bonds, options, swaps, etc.
- Analyzed data from multiple sources to determine appropriate actions towards resolution of settlement issues.
- Maintained discretion whilst processing assets to meet volumes (300+ transactions daily) in a timely and accurate manner.
- Developed, revised, and implemented procedures to assess and minimize risk, ensure security, and compliance to company policy and legislative standards.
- Monitored controls, workflows, and request queues for exceptions and appropriately logging and reporting information extracted.

Credit/Debit Fraud Analyst, Head Teller

Nov 2017 - Jan 2021

Shore to Shore Community Federal Credit Union, Woodhaven, MI

- Performed reconciliation, managed, and reported balancing for various accounts and GLs.
- Analyzed and evaluated documents for any unexplained gaps, variances, and forgeries.
- Monitored, identified, and reported suspicious or fraudulent transactions and activities.
- Implemented preventative, detective, and corrective controls to mitigate fraud/risk for AML/KYC compliance.
- Process variation of financial transactions whilst supervising teller line, offer guidance with complex transactions.

PROJECTS AND ACTIVITIES

Virtual Home Lab | Network Security, Penetration Testing, and Incident Response

- Utilized VirtualBox to mimic functional network infrastructure and activity for security testing.
- Applied ethical hacking to simulate attacks and create penetration testing techniques to locate vulnerable hosts.
- Remediated exploits on vulnerable hosts to increase endpoint security via encryption, firewalls, and IPS.

Smart Greenhouse with GUI | 3rd Place Winner in HFC Engineering Competition

- Built and developed a programmable greenhouse to increase food availability in impoverished communities.
- Utilized C++, Arduino, sensors (humidity, soil moisture, and temperature) to control/prompt fans, irrigation systems, and notifications to the user.
- Created custom printed circuit board design for projects specifications.

Malware Analysis Lab | Threat Detection and Response

- Utilized Cuckoo Sandbox to perform malware analysis in an isolated environment.
- Analyzed the code and reverse engineered the malware via Ghidra and IDAPro.
- Detected malware utilizing Wireshark and PEStudio after recognizing suspicious network behavior.

BGH Study Cohort Leader | Group Learning and Training

- Train cohort members on various relevant functions and assisting in creating useful informational resources for those functions.
- Facilitate cohort sessions with members around the world to work towards receiving cybersecurity certifications (such as the ISC2 CC, CompTIA Sec+, CompTIA Net+, INE EJPT, TCM PNPT, and the OffSec OSCP).

ACADEMIC EXPERIENCE

Network Security

- Gained intermediate understanding of secure network topology, terminologies, and concepts.
- Utilized Cisco Packet tracer to create secure network designs and implement various security measures on each host.
- Implemented access control and data security through IAM via multifactor authentication.
- Practiced proper encryption solutions to ensure data security.
- Remediated network vulnerabilities utilizing patches and implementing secure protocols.

Digital Forensics

- Analyzed the fundamental principles of computer investigation, computer forensics tools, and cybercrime.
- Practiced techniques such as data collection with FTK Imager.
- Utilized Autopsy, KAPE, and FTK Imager to perform data acquisition on Windows devices.
- Analyzed the concepts and processes behind maintaining the chain of custody (data collection, examination, analysis, and reporting).

Information Assurance and Security and Ethical Hacking

- Implemented the planning and maintenance of a simulated information security system.
- Performed footprinting using tools such as: the Harvester Netcraft, Wappalyzer, HTTrack, and scanning and enumeration via Nmap.
- Examined security event logs to maintain endpoint security.
- Tested endpoint security and determined vulnerabilities by analysis and performing a penetration test on a simulated network.
- Applied NIST and ISO 27001 frameworks to assess organizational risks.

UNIX/LINUX Administration

- Gained Intermediate understanding of UNIX/LINUX operating systems
- Performed installation and packet management whilst maintaining security.
- Ensured appropriate user management (creating, modifying, and deleting users or permissions).
- Practiced regular expressions and shell scripts to compile and report system statistics for diagnostics.

Software Testing and Quality Assurance

- Practiced hands on regression testing, statistical and object-orientated testing, and test process management.
- Implemented planning, designing, reporting and evaluation tests of various software's (e-commerce, game, arithmetic based).

VOLUNTEER WORK

Deputy Chief Financial Officer | Black Girls Hack

Dec 2023 - Present

- Collaborate with the leadership team to develop financial goals that support our organizations mission of increasing diversity in cybersecurity via training, community outreach, and resource allocation.

Volunteer | Genesis House Women's Shelter

Nov 2022 - Present

- Curate an annual fundraising and donation drive to provide hygiene products, clothing, and bedding.

Volunteer | Foster Love (FKA Together We Rise)

May 2021 - Present

- Raised over \$500 to help children in foster care and curated sending comfort items, hygiene products, and toys.

Nonprofit Community Engagement | Shore to Shore CFCU

May 2020 - Jan 2021

- Curated a fundraiser that generated over \$1,000 for *Children's Heart Foundation* which went towards funding research on congenital heart defects.
- Curated a fundraiser that generated over \$700 for *Seedling's Braille Books for Children* which went towards providing braille books for children with vision impairment.
- Curated a fundraiser that supplied over 300 pairs of socks to *ChristNet Shelter*.

ORGANIZATIONS AND PROFESSIONAL AFFILIATIONS

Deputy Chief Financial Officer | Black Girls Hack

Dec 2023 – Present

Member | ISC2

Sep 2023 – Present

Member | ISACA

Feb 2023 – Present

Member | Phi Theta Kappa Honor Society
(UDM Phi Theta Kappa Scholarship Recipient)

Sep 2022 – Present

Member | Women in Cybersecurity

Feb 2023 – Present

Member | Henry Ford College Cybersecurity Club

Sep 2020 – May 2023