

# Kimberlynn DeBolt

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## EDUCATION

Bachelor of Science Degree, Cybersecurity  
University of Detroit Mercy- Detroit, MI

Fall 2025

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

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

### CyberGuard Advantage

SOC Auditor Intern

Detroit, MI

Sep 2025 - Present (Fall Internship)

- Conduct IT control assessments (SOX, NIST CSF, SOC, and HIPAA) requirements to support audit readiness and control validation.
- Document and track control deficiencies, maintain remediation follow-up collaboration, and generate structured audit artifacts (system narratives, access matrices, process flows).
- Review risk assessments, system configurations, access controls, and operational procedures supporting hosted environments to assess security, availability, and operational risks.
- Monitor enterprise systems, applications, and logs to identify trends, security events, and compliance gaps.

### FIS Global & Comerica Bank

Security Operations Analyst

Detroit, MI

Aug 2021 - Aug 2023

- Prepared 20+ documentation packets monthly while validating workflows and ensuring alignment with internal controls and regulatory compliance.
- Monitored and analyzed system and security logs across mission-critical financial platforms, escalating issues impacting security, availability, or compliance requirements.
- Investigated system anomalies in financial and operational systems, collaborated with infrastructure, security operations, and compliance teams.
- Processed and secured over 300 financial transactions daily, maintaining strict adherence to internal policies and external regulatory standards.

### Shore to Shore Community Federal Credit Union

Credit/Debit Fraud Analyst / Head Teller

Woodhaven, MI

Nov 2017 - Jan 2021

- Assisted in control mapping, change management, and risk classification for assessments and regulatory reviews.
- Investigated and resolved fraudulent transactions using log analysis and transaction monitoring systems, implementing mitigation strategies that reduced financial crime exposure.
- Performed AML (Anti Money Laundering)/KYC (Know Your Customer) reviews and procedures to ensure adherence to BSA/AML guidelines.

- Conducted forensic review and analysis of 400+ account transactions, documentation, and reports to support accuracy and compliance with FFIEC and NCUA standards.
- Trained and supervised over 15 teller staff on compliance best practices and complex transaction protocols to ensure regulatory adherence.
- Collaborated with compliance team to improve fraud detection workflows, maintain IT risk management, and reduce exposure.

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## **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 | 3<sup>rd</sup> 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).

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## **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.

### **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 performing a penetration test on a simulated network.

## 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).

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## 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*.

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## 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