






Jacob Bauer

Cybersecurity Student

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Education

Purdue University – Polytechnic Institute	August 2021 - May 2025
Cybersecurity	Bachelor of Science
3.77 GPA	
 Polytechnic Institute	

Awards: Dean’s List & Semester Honors (Fall 2021 – Spring 2025)

Industry Experience

LTW Technology Partners	May 2024 - August 2024
Intern	Chicago, IL
<ul style="list-style-type: none">Communicated with customers to plan and deploy new network infrastructure such as new networking equipment and virtual machines.Administered small business LAN and WAN networks.Configured Routers, Switches, and Firewalls.Troubleshoot networking issues to ensure connectivity and performance.	

Koi Computers	December 2023 – January 2024
Computer Technician	Downers Grove, IL
<ul style="list-style-type: none">Troubleshoot defective units and communicated closely with manufacturers such as GIGABYTE and AMD.Implemented new software and hardware to modernize and optimize server provisioning and deployment.Coordinated with customers such as The National Energy Technology Laboratory to unpack, assemble, test, and ship out over 700 units of cutting-edge servers.	

Projects

Incident Response	August 2024 - December 2024
<ul style="list-style-type: none">Designed and implemented enterprise-level incident response plans aligned with NIST’s Cybersecurity Framework, addressing threats to confidentiality, integrity, and availability through structured detection, response, and recovery processes.Utilized intrusion detection systems, network flow analysis, and system log evaluation to identify malicious activity, apply remediation techniques, and continuously improve cybersecurity risk management strategies.	

Network Security	August 2024 - December 2024
<ul style="list-style-type: none">Configured and managed firewalls and VPNs to protect networks, applying best practices in access control, intrusion detection, and secure remote connectivity across Windows and UNIX systems.Conducted vulnerability assessments and system hardening, implementing encryption protocols and packet filtering solutions to support secure infrastructure design and defend against malware and unauthorized access.	

Leadership

WCCR Student Radio	August 2024 - May 2025
Treasurer	
<ul style="list-style-type: none">Treasurer – Managed club finances by planning, budgeting, and implementing club events.Tech committee chair – coordinated with committee members to research, plan, and implement studio upgrades while minimizing downtime.Directed 3 committee teams with 10+ members each: tech, PR, and event planning	

Skills

System Administration

Linux, Unix, Windows, macOS

Incident Response

Security Auditing

Penetration Testing

Firewall Configuration

CISCO, pfSense, VyOS

Cloud-init, Vagrant, OpenStack

OSINT

SIEMs

Wazuh, Elastic, xcitium

EDRs

xcitium, Wazuh

Active Directory

LDAP

VMware and Proxmox

vCenter, vSphere

Network Engineering & Security

Risk Assessment & Mitigation

IDS / IPS

Microsoft SCCM

Threat Intelligence

Docker and Kubernetes


Python, Bash, and PowerShell

Regulatory Compliance

SQL

Certifications

IS-100.C
FEMA
August 2024
 [PDF](#)

IS-700.B
FEMA
August 2024
 [PDF](#)