

## Jacob Bauer

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### EDUCATION

**Purdue University** – Polytechnic Institute / West Lafayette, IN

August 2021 – May 2025

*Bachelor of Science in Cybersecurity*

3.77 GPA

**Awards:** Dean's List & Semester Honors Fall 2021 – Fall 2024

### SKILLS

- |   |                                     |                                  |
|---|-------------------------------------|----------------------------------|
| • System Administration                 | • Incident Response                 | • Security Auditing              |
| • Penetration Testing & Ethical Hacking | • Firewall and Router Configuration | • Cloud-init, Vagrant, OpenStack |
| • OSINT                                 | • SIEMs & EDR                       | • Active Directory / LDAP        |
| • VMware vCenter, vSphere, Proxmox      | • Network Engineering & Security    | • Risk Assessment & Mitigation   |
| • SCCM                                  | • Windows, UNIX and Linux           | • Threat Intelligence            |
| • Docker and Kubernetes                 | • Python, Bash and PowerShell       | • Regulatory Compliance          |

### INDUSTRY EXPERIENCE

**LTW Technology Partners - Intern**

May 2024 – August 2024

- Communicated with customers to plan and deploy new network infrastructure such as new switches and virtual machines.
- Small Business LAN/WAN administration.
- Router, Switch, and Firewall configuration.
- Troubleshoot networking issues to ensure connectivity and performance.

**Koi Computers - Computer Technician**

December 2023 – January 2024

- 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

**Enterprise Networking**

August 2023 – December 2023

- Deployed multiple switches and routers to serve LAN and WLAN to various workstations connected to the network.
- Configured routers and switches to employ services such as NAT/PAT, DHCP, port forwarding, Multiple Spanning Trees, port mirroring, and SSH.

**Hypervisor-Based Active Directory Environment**

January 2023 – May 2023

- Followed business-class strategies of implementing domain administration of multiple virtualized users and machines.
- Configured machines to utilize storage solutions such as Roaming Profiles and Distributed File Systems to centralize data management.

### LEADERSHIP

**WCCR Student Radio**

August 2024 – Present

- **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