

# Marc Peczka

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## EDUCATION

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### Purdue University

West Lafayette, IN

*Bachelor of Science in Cybersecurity & Network Engineering, Minor in Organizational Leadership*

May 2026

**Relevant Coursework:** Advanced Internetwork Routing and Switching, Internetwork Design and Implementation, Network Security, Incident Response Management

## TECHNICAL SKILLS

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**Routing, Switching & Protocols:** Cisco, secure LAN/WAN design, multi-area OSPF, eBGP/iBGP, route redistribution, MPLS fundamentals, TCP/IP, VLANs, ACLs, inter-VLAN routing

**Network Security Engineering:** pfSense, Palo Alto Networks (monitoring), PacketFence, firewall policy design, network segmentation, IDS/IPS concepts, network traffic analysis, VPNs (WireGuard, OpenVPN, IKEv2/IPsec)

**Infrastructure & Cloud Exposure:** Proxmox, VMware, Docker, Kubernetes, Active Directory, Azure/Entra ID

**Automation & Scripting:** Python, Bash, PowerShell, Rust, C/C++, SQL, JavaScript

**Operating Systems:** Linux, Windows, macOS

**Physical Networking:** Network Installation, Cabling, Patch Panels, Patch Cords, Switches, Routers, Fiber Optics, etc.

## CERTIFICATIONS

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CCNA – Cisco

June 2026

## EXPERIENCE

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### Ardmore Roderick

Chicago, IL

*IT Intern*

May 2023 – Aug 2023

- Built PowerShell automation to standardize endpoint onboarding and configuration, reducing setup time from hours to minutes
- Implemented Grafana-based monitoring for Palo Alto Networks firewalls to improve visibility into perimeter health, security events, and network traffic trends
- Supported security-aligned access provisioning in Active Directory and Azure/Entra ID using role-based access controls for enterprise resource access
- Automated OS updates, software installation, and baseline workstation configuration based on role requirements
- Collaborated with IT staff to standardize onboarding workflows and reduce manual configuration drift

## PERSONAL PROJECTS

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### Homelab

*Technologies: Docker, Kubernetes, VMWare, pfSense, PacketFence, Linux, Git*

- Designed and maintained a multi-node virtualized homelab using VMWare and Proxmox for enterprise-style network testing
- Built segmented LAN designs with VLANs and inter-VLAN routing to simulate production network boundaries
- Practiced routing and policy control in lab scenarios with multi-area OSPF, eBGP/iBGP concepts, and route redistribution
- Configured pfSense firewall rules, VLAN interfaces, ACL-style controls, and security zones for east-west and north-south traffic
- Implemented and troubleshot remote access VPNs using WireGuard, OpenVPN, and IKEv2/IPsec across segmented network paths
- Maintained network documentation and change-management notes for routing and firewall updates in lab environments

### Personal Server

*Technologies: Linux, Docker, WireGuard, OpenVPN, IKEv2/IPsec, SSH, Git*

- Built and administered a Linux server hosting services for family and friends
- Configured secure remote access with WireGuard, OpenVPN, and IKEv2/IPsec; validated routing and firewall behavior for remote clients
- Hardened access with SSH key-based authentication and least-privilege administration practices