Cara Salter

System Administrator

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Education

Worcester Polytechnic Institute *Worcester, MA*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE *2021 - May 2025 (Expected)*

- Relevant Coursework: Computer Networking, Operating Systems, Database Systems I, Systems Programming Concepts

Experience

Worcester Polytechnic Institute *Worcester, MA*

NETWORK ASSISTANT *March 2022 - PRESENT*

- Installed and upgraded networking hardware
- Developed and engineered software integrations for end-users

Hack Club *Shelburne, VT*

LEAD INFRASTRUCTURE ENGINEER *May - August 2024*

- Designed fully offline intranet for cross-continent hackathon
- Mentored interns in relevant Linux and networking skills

Solvus Global *Worcester, MA*

IT INTERN *May 2023 - August 2023*

- Led the implementation of software allowlisting
- Created framework for describing configuration baselines
- Implemented a Change Advisory Board and configuration management
- Interpreted and applied compliance requirements including CMMC

Worcester Polytechnic Institute *Worcester, MA*

SERVICE DESK SPECIALIST *September 2021 - March 2022*

- Assisted members of the WPI community with tier-1 problems
- Triaged and escalated issues to the appropriate teams

Projects

solard

- Implemented a REST API for controlling virtual machines
- Used Rust and C Foreign Function Interface to directly control libvirt

Homelab

- Built a Proxmox cluster for personal use and education
- Experimented with new software and methodologies, including DevOps and Ansible

Skills

Languages	Rust, C, Go, Python
Frameworks	Django, Flask
System Administration	Debian, RHEL, pfSense, Ubuntu Server, NGINX, Docker, Ansible

Extracurriculars/Activities

WPI Lens and Lights

HEAD PROJECTIONIST, WEBMASTER, REPEATER MANAGER

- Trained members in the use of historic film projectors
- Maintained club's internal database
- Managed and maintained the club repeater
- Planned logistics for multiple high-profile events
- Maintained and provided training for the club's commercial radio system