

# JEFFREY WINTERS

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## Objective

Experienced IT professional completing my undergraduate degree in May 2025 and seeking a systems administrator role within the HPC sector. I bring more than a year of experience working with HPC infrastructure and more than six years experience in information technology roles.

## Education

### University of California: Merced

Expected May 2025

*Bachelor of Science in Computer Science and Engineering*

*Merced, CA*

- Competing at the SC24 IndySCC competition.
- Competed in the UC Merced Aqua Arcade Game Jam.
- Developed an automated camera system to record and upload footage of bee activity for research purposes.

### Fresno City College

May 2023

*Associate of Science in Computer Engineering*

*Fresno, CA*

- Served as President of the Science and Engineering Club.
- Received NSF Engineering Scholars Program Scholarship.
- Completed NASA's Community College Aerospace Scholars (NCAS) Program.

## Relevant Coursework

- |                       |                        |                         |                              |
|-----------------------|------------------------|-------------------------|------------------------------|
| • Data Structures     | • Software Engineering | • Computer Architecture | • Full-Stack Web Development |
| • Algorithms Analysis | • Database Systems     | • Intro to Python       | • Human-Computer Interaction |
| • Discrete Math       | • Computer Networks    | • Ethical Hacking       |                              |

## Recent Experience

### REU Intern - ANVIL HPC Cluster

May 2024 – Present

*Purdue University*

*West Lafayette, IN*

- Developed, built, and implemented a CI/CD system for researchers to utilize with the Anvil Cluster.
- Created an openSSH Terminal User Interface to simplify the process of configuring Spack module builds for Anvil users.
- Emphasized the incorporation of accessibility and usability in the system's design, ensuring that a diverse range of users could comfortably interface with the software.

### Student Systems Administrator

August 2023 – Present

*University of California: Merced*

*Merced, CA*

- Performed maintenance and installed upgrades on high performance computing clusters and distributed servers.
- Provided technical support to internal users and external customers for their research computing workflows.
- Assisted in the planning and implementation of CIRT policies and projects, including the development of a terminal based LLM chat-bot.

### IT Support Technician

May 2022 - August 2023

*Fresno City College*

*Fresno, CA*

- Investigated and corrected problems with user workstations, network accounts, network equipment, and peripheral devices.
- Responded to support requests and tickets and documented all steps taken to resolve issues.
- Investigated potential network security vulnerabilities and made suggestions on how to patch them.

## Software Skills

**Languages:** Bash, Python, C/C++, Go, HTML/CSS, LaTeX, SQL, Assembly, GDScript

**Developer Tools:** VS Code, JetBrains, Android Studio

**Technologies/Frameworks:** Linux, Docker, Kubernetes, Proxmox, Ansible, Spack, Slurm, Jenkins, GitHub, Active Directory

## Hardware Skills

**Electronics:** SMD/THT Soldering, Circuit Troubleshooting, Reverse Engineering, JTAG Programming

**Fabrication:** Rapid Prototyping, FDM/SLA/SLS 3D Printing, CNC Programming, Machining

**Design Software:** KiCAD, Solidworks, OrcaSlicer

## Certifications and Licenses

**Certifications:** CompTIA Network+, CompTIA Security+

**Licenses:** FAA Part 107 Commercial Drone Pilot License, FCC HAM Radio License - Technician Class