Angus Husted

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Summary

Computer Science student and Systems/DevOps intern experienced in infrastructure automation, CI/CD, Kubernetes, virtualization, and Linux networking. Skilled at diagnosing full-stack failures and turning manual processes into reproducible, automated workflows.

Technical Skills

Operating Systems: Linux (RHEL Family/Debian/Arch), Windows, macOS basic
Infrastructure & Automation: GitLab CI/CD, GitLab Runners, OpenTofu/Terraform, Ansible, cloud-init, Proxmox VE, Ceph
Containers & Orchestration: Kubernetes (kubeadm), Helm, ingress, persistent storage, TLS/cert management, Docker, Portainer
Networking: 802.1Q VLANs, VXLAN, Linux bridges, veth pairs, network namespaces, proxy ARP, routing, WireGuard VPN
Systems & Support: systemd, SSH, logs, users/permissions, package management, Go code reading, PC hardware, documentation

Work Experience

Systems/DevOps Engineering Intern — **USC Information Sciences Institute (USC-ISI)**
Fall Intern, Part-time, Remote — *Aug 2026 – Present*

- Prototyped an end-to-end integration between the FABRIC and SPHERE/MergeTB testbeds, letting compute on separate testbeds communicate directly.
- Built an isolated network path with VLANs, VXLAN, bridges, veth pairs, namespaces, and proxy ARP; diagnosed L2/L3 issues on live infrastructure.
- Analyzed a distributed Go codebase to fold the prototype into the experiment lifecycle with automatic provisioning and cleanup.
- Designed collision-safe address allocation and network reconciliation supporting concurrent experiment attachments.

Summer Intern, Full-time, On-site (Los Angeles) — *Jun 2026 – Aug 2026*

- Shipped an automated deployment pipeline turning a long manual install into one reproducible run, with GitLab CI orchestrating OpenTofu, nested virtualization, and parallel Ansible.
- Built IaC workflows for ephemeral multi-node Kubernetes clusters, automating kubeadm bootstrap, Helm, persistent storage, ingress, and TLS.
- Tuned Proxmox VE and Ceph, managing CRUSH maps and adding an SSD-backed pool for latency-sensitive workloads.
- Traced a third-party auth bootstrap deadlock via source and on-the-wire records, then automated the fix for unattended deploys.
- Eliminated flaky pipeline failures caused by control-plane I/O contention under nested virtualization.

Retail Associate, Fulfillment / Customer Service — **Target, 2023 – 2026**

- Provided customer support in a fast-paced, high-volume environment as a cashier and fulfillment team member.

Technical Projects

Homelab & Self-Hosted Services — *Personal Project*

- Built and maintained a Debian-based homelab from repurposed hardware using OpenMediaVault as a centralized server platform.
- Deployed Docker services via Portainer (Jellyfin, Minecraft, WireGuard VPN); managed users, permissions, and storage.
- Troubleshot hardware, OS, and networking outages; migrated from Plex to Jellyfin for performance and reliability.

HiveFinder Club Platform — *School Project*

- Backend Developer and Scrum Master for a 5-person full-semester team project; earned an A.
- Built Prisma auth (hashing, token sessions, moderator/admin roles) and MongoDB Atlas schemas for a Next.js app.

Education

California State University, Sacramento – B.S. Computer Science; Cybersecurity Club — *Expected May 2027*
Sierra College – A.S. Computer Science; A.S. Natural Sciences — *2025*

Certifications & Competitions

CompTIA Network+ (2026) — **CompTIA A+** (Mar. 2026)
NCAE Cybergames: Placed 4th on a 9-person team in a regional attack/defense competition covering traffic analysis, exploitation, and incident response.
picoCTF: Solved 15+ challenges across cryptography, web exploitation, reverse engineering, and forensics.