

Samuel Calvert

COMPUTER ENGINEERING PROFESSIONAL · INFRASTRUCTURE SPECIALIST

New York City Metropolitan Area

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Computer Engineering professional with expertise in infrastructure automation, networking, and systems troubleshooting.

Experience

Haivision Network Video

Remote, New York City Metro

TECHNICAL SUPPORT ENGINEER

Jul. 2022 - Present

- Identify and resolve deployment problems while effectively coordinating with cross-functional teams
- Implement and maintain monitoring solutions to proactively address system issues
- Troubleshoot complex network configurations and streaming media infrastructure
- Develop and document standard operating procedures for critical system components
- Provide technical guidance to internal teams and external clients

University of Delaware EECIS Department

Newark, DE

LAB STAFF

Jun. 2019 - Aug. 2021

- Maintained university servers and computer systems for web hosting, data backups, and production
- Developed and maintained university-sponsored technical projects
- Assisted with system administration and infrastructure support tasks
- Implemented automation for routine maintenance procedures

University of Delaware Machine Learning

Newark, DE

RESEARCH INTERN

Jun. 2020 - Aug. 2020

- Developed network intrusion detection systems (IDS) using machine learning techniques
- Implemented GAN-based approaches for anomaly detection in network traffic
- Containerized solutions using Docker for deployment flexibility
- Created documentation and testing procedures for research outcomes

Projects

Homelab Kubernetes Infrastructure 🔗

PERSONAL PROJECT

- Designed and implemented multi-environment Kubernetes clusters running on Proxmox VMs
- Created complete infrastructure-as-code solution using Terraform, Ansible, and GitOps methodologies
- Developed automation for the entire infrastructure lifecycle from VM template creation to application deployment
- Implemented monitoring stacks with Prometheus/Grafana and self-hosted DNS solutions
- Architected environment-specific configurations while maintaining common base components

Technical Skills

Infrastructure	Kubernetes, Docker, Proxmox, Terraform, Ansible, GitOps
Programming	Python, C, Go, Bash, JavaScript
DevOps	CI/CD, Infrastructure Automation, Configuration Management
Networking	DNS, Load Balancing, Network Architecture, Security
Tools	Git, Linux, Prometheus, Grafana, Nginx, Cert-Manager

Education

University of Delaware

Newark, DE

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

Graduated May 2022

Languages Fluent French Speaker