

Andrew Ngo

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EDUCATION

Bachelor of Science in Computer Engineering, Minor in Computer Science
Wichita State University, Wichita, KS

May 2028

SKILLS

Skills: Computer Assembly, Operating Systems (Windows, MacOS & Linux), Virtualization, Git/Version Control, Pandas & Matplotlib, Storage Systems, RAID, Basic Networking

Programming: Python, C++

RELEVANT EXPERIENCE

Quality Assurance Analyst

March 2025- Current

Ennovar @ NetApp, Wichita, KS

- Perform qualification tests on storage media and NetApp's ONTAP software to push for swift product rollout whilst ensuring high reliability and performance standards.
- Diagnose and troubleshoot failures and panics caused by scripting, hardware or software in a UNIX environment to ensure testing can be held properly and accurately.
- Revise Python drive test scripts to make test logs more user-friendly.
- Collaborate with global teams to efficiently perform manual qualifications.
- Created data visualizations of performance across storage devices using Pandas and Matplotlib to support performance analysis and benchmarking.

IT Support

November 2024- March 2025

Ennovar @ Spirit AeroSystems, Wichita, KS

- Programmed and replaced over 1,000+ Cisco phones to modernize and improve security across Spirit's campus.
- Coordinated the change in MAC addresses with respective communications partner.
- Communicated with the team in order to properly replace executive and defense phones.

RELEVANT PROJECTS

Ollama Home Assistant

Summer 2025

- Developed a custom AI home assistant on Raspberry Pi with a GPIO button interface.
- Integrated Meta's LLaMA 3.1 via Ollama for offline AI responses using a RESTful API.
- Built a Python Flask app to manage audio recording, transcription, and AI communication.
- Implemented audio capture and transcription using OpenAI's Whisper to convert user speech into text for AI processing.

Home Server

Fall 2024- Current

- Configured network for high-speed SMB and NFS file sharing.
- Set up VPN to enable secure remote access.
- Implemented data redundancy with mirrored storage and automated S.M.A.R.T. tests.
- Hosted media server for 7+ users using port forwarding and Cloudflare tunneling.
- Managed and maintained personal website – drewngo.com.