

Ethan Young

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EDUCATION

University of Nevada, Las Vegas

Bachelor of Science in Computer Science (Expected May 2027)

Las Vegas, NV

Aug. 2023 – Present

EXPERIENCE

AI Software Engineer Intern

June 2026 – Present

Symphonix Systems

Remote/Hybrid

- **Co-developed 17 specialized**, single-purpose AI agents and contributed to a multi-agent orchestration flow using dynamic routing to dispatch tasks based on domain context.
- Integrated a hybrid SQL/MongoDB persistence layer to store and retrieve execution context and prior state, including error logs and tmux sessions, improving data retrieval for recurring agent workflows.
- Built an automated testing harness using LLM-as-a-Judge patterns to validate agent behavior and output integrity, reducing reliance on manual review.

Systems & Infrastructure Intern

April 2026 – Present

University of Nevada, Las Vegas (OIT)

Las Vegas, NV

- Supported decommissioning of a High-Performance Computing (HPC) cluster by documenting and auditing GPU compute servers and InfiniBand networking hardware to support secure asset recovery.
- Audited fiber pathways across multiple facilities and synchronized physical assets with Schneider Electric EcoStruxure DCIM records to improve data center infrastructure accuracy.
- Reviewed network/security logs with IT operations staff to identify anomalous SNMP authentication events; used DNS/MAC lookup tools to help trace source devices.

Network Engineer Intern

March 2025 – April 2026

University of Nevada, Las Vegas (OIT)

Las Vegas, NV

- Collaborated with a 15-person network engineering team on a campus-wide Cisco-to-Juniper migration, including switch rollouts and wireless AP replacements.
- Developed standardized configuration templates and automated IP management workflows that helped maintain consistent VLAN/port-level logic across assigned switch groups in a 660+ switch environment.
- Assisted with provisioning and post-migration validation of network assets within a ~4,500-device campus portfolio, supporting connectivity testing during cutover windows.

PROJECTS

Personal Cloud Infrastructure & Deployment Platform | *Docker, Caddy, OCI, Linux*

2026 – Present

- Architected a containerized hosting environment on an Oracle Cloud Infrastructure (OCI) ARM instance to deploy and manage independent web services and APIs.
- Implemented an automated edge proxy using Caddy, enabling dynamic subdomain routing and zero-touch Automatic HTTPS for all hosted applications.
- Orchestrated service deployment via Docker Compose, utilizing custom bridge networks to ensure strict environment isolation and secure cross-container communication.
- Secured the hosting environment by enforcing SSH key-only authentication and configuring cloud-level ingress firewalls to restrict traffic to necessary web ports.

Rebel Locate | *Python, TensorFlow, Pandas, NumPy*

Jan. 2025 – May 2025

- Developed a geolocator and scene-labeling tool for UNLV, achieving 92% accuracy by performing data analysis on metadata from over 6,000 images to identify building proximity using a KNN algorithm.
- Implemented a dynamically trained CNN model to assign scene labels (e.g., classroom, hallway) based on image content.

TECHNICAL SKILLS

Languages: Java, C++, C#, C, Python, x86, MIPS, SQL

Frameworks/Libraries: TensorFlow, Pandas, NumPy, PyTorch, MongoDB, PostgreSQL

Developer Tools: Docker, Git/GitHub, AWS, InfoBlox, NetBox, SolarWinds, Schneider Electric EcoStruxure, Cisco IOS/Juniper Junos CLI, OpManager