Nghia Lam

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EDUCATION

The University of Texas at Arlington <div align="right">Arlington, TX</div>
Bachelor of Science in Computer Science — Magna Cum Laude — GPA: 3.85 <div align="right">*December 2023*</div>

CERTIFICATIONS

Security Blue Team: BTL1 (In Progress)
– Performed SIEM & log analysis with Splunk and Sigma rule writing
– Conducted network forensics (Wireshark, DeepBlueCLI) and endpoint investigations (FTK Imager, Autopsy)
– Executed incident response using PICERL methodology and TheHive case workflows
– Completed hands-on labs and real-world scenarios for phishing analysis, threat hunting, and SIEM tuning

CompTIA: CompTIA Security+
Cisco: Computer Hardware Basics, IT Customer Support, Creating Compelling Reports, Networking Basics

TECHNICAL SKILLS

Languages: Python, C, C#, C++, Java, JavaScript, TypeScript, HTML
Security: Splunk, Wireshark, NIST, OWASP Top 10, WAF, SAST, PICERL, FTK Imager
Frameworks & Development Tools: React, Firebase, Android Studio, Flutter, Docker, Unity, Node.js, Jira
Skills and Technologies: Git, VS Code, UML, Linux, SQL, ReactJS, NodeJS, Visual Studio, Microsoft Word
Methodologies: Scrum, Agile, Waterfall, REST APIs, Object Oriented Programming

EXPERIENCE

AI Instructor <div align="right">February 2024 – July 2025</div>
DSDT <div align="right">*Killeen, TX*</div>

- Designed and delivered structured lessons on **AI fundamentals**, **machine learning algorithms**, **data preprocessing**, and **cloud deployment strategies**
- Integrated real-world case studies highlighting AI applications in the **healthcare**, **finance**, and **transportation** sectors using **Scikit-learn** and **TensorFlow**
- Led student projects utilizing **OpenAI APIs** and prompt engineering to develop custom AI-powered chatbots and content generation tools
- Guided best practices on **Git/GitHub** version control and collaborative software development in AI workflows
- Administered **Office 365** environment with helpdesk-level permissions, managing password resets, license provisioning, and user support while reducing onboarding errors
- Configured and maintained **network infrastructure**, improving uptime through optimized switch configurations and structured cabling

PROJECTS

Home Server | *Proxmox, TrueNas, Debian CasaOS, Cloudflare, Docker* <div align="right">February 2025 – Present</div>

- Architected a **Proxmox hypervisor** stack hosting **TrueNAS** and **Debian CasaOS** VMs, consolidating media and storage services onto a unified virtualization platform
- Containerized a **Jellyfin media server** within CasaOS on Debian, implementing **GPU passthrough** via Proxmox for high-efficiency transcoding
- Integrated **SMB-based network storage** from the TrueNAS VM to deliver centralized, redundant, and high-performance media access
- Hardened **Docker volumes**, identity permissions, and secrets management to ensure secure and reliable access controls across virtualized services
- Optimized Proxmox resource allocations including **vCPU pinning**, memory reservations, and PCI passthrough, achieving transcoding throughput gains up to 50%
- Configured **Cloudflare DNS** and proxy services to deliver encrypted, scalable, and resilient external media server availability