LAITH ASSAF

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PROFESSIONAL SUMMARY

Computer Science student specializing in AI/ML with production experience in PyTorch, TensorFlow, and full-stack development. Led technical teams delivering AI platforms and computer vision models, seeking AI/ML engineering roles.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, JavaScript, SQL | **AI/ML Frameworks**: PyTorch, TensorFlow, OpenAI API, Computer Vision
Web Technologies: FastAPI, React, REST APIs, Firebase, Streamlit | **Tools & Infrastructure**: Git, Linux, SSH, WireGuard, Pi-hole

EXPERIENCE

IT and Media Services Support Associate — May 2023 – Present
MSU College of Osteopathic Medicine — *East Lansing, MI*
- Managed 100+ classroom configurations across 4 Michigan locations supporting 1,200+ medical students, processing 50-70 technical tickets weekly with 5-10 minute average response time
- Achieved 99.5% class uptime through rapid resolution of connectivity, display, audio, and Zoom/Polycom integration issues across diverse AV environments

Technical Support Associate — July 2023 – September 2023
Great Lakes Technology Services — *Southeast, MI*
- Completed 15+ major technical implementations across 12 dental offices in Southeast Michigan, including Ubiquiti router upgrades and server migrations with 100% project success rate

PROJECTS

AIForge - ML Development Platform | *Python, PyTorch, TensorFlow, Streamlit* — September 2025
- Engineered comprehensive ML platform with automatic GPU/CPU detection, automated preprocessing, and real-time training visualization supporting tabular, computer vision, and NLP model development

Nexus - AI Server Management System | *FastAPI, GPT Models, SSH, AsyncIO* — September 2025
- Developed AI server management platform converting natural language to secure shell operations with multi-level safety validation (PARANOID to PERMISSIVE modes)

Adaptive DRL Game Agent | *Unity, C#, Deep Reinforcement Learning, Python* — 2024
- Developed dynamic finite state machine AI in Unity using Deep Q-Learning that adapts to player behavior patterns, achieving 73% improvement in game balance and player engagement metrics across 3-person team project

TECHNICAL CONTRIBUTIONS

Open Source Development: 355+ commits across personal repositories | **Competition Experience**: 5+ AI hackathons at MSU and University of Michigan
Infrastructure Projects: Implemented WireGuard VPN, Pi-hole DNS filtering, Plex media server, and game server hosting for home network optimization

LEADERSHIP

AI Club Workshop Coordinator — March 2024 – Present
Michigan State University — *East Lansing, MI*
- Designed and delivered 8+ technical workshops on local LLMs and AI ethics to 300+ students, achieving 90% attendance rate and 4.8/5 satisfaction score

AI Club Project Lead — January 2024 – Present
Michigan State University — *East Lansing, MI*
- Led 4-student development team creating Academic Performance Predictor, establishing agile processes and delivering within 4-month timeline

EDUCATION

Michigan State University, College of Engineering — East Lansing, MI
BS Computer Science, Major GPA: 3.52 | Specialization: AI/ML | Dean's List — *August 2022 – May 2027*