Laith Assaf

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EDUCATION

Michigan State University, College of Engineering   East Lansing, MI
Bachelor of Science, Computer Science, 3.516   May 2026 - Present
Relevant course work: Discrete Structures in Computer Science, Introduction to Programming I-II, Matrix Algebra and Applications

Brother Rice High School   Bloomfield Hills, MI
GED, GPA: 3.70/4.00   August 2018 - May 2022
Debate Team, Model United Nations, Quiz Bowl, Snowboarding Team

EXPERIENCE

MSU College of Osteopathic Medicine   East Lansing, MI
IT and Media Services Support Associate   May 2023 - Present
- Spearheaded innovative audio/video/network solutions within the College of Osteopathic Medicine, enhancing lecture delivery and remote collaboration capabilities across over 36 distinct rooms with varying specifications
- Initiated design and development of mobile technological carts, integrating KVMs, splitters, DACs, capture cards, and more to facilitate versatile Zoom room experiences and multi-computer content display used by hundreds of students
- Provided real-time technical support during lectures, adeptly troubleshooting multi-modal issues from in-person presentation to multi-site connections, leveraging extensive knowledge in audio, video, and networking systems for thousands of students
- Managed seamless integration of Zoom technologies to stream classes and ensure consistent delivery of content, audio, and video across four campuses within Michigan, improving synchronous educational experiences and remote learning capabilities

Great Lakes Technology Services   Southeast, MI
Associate   July 2023 - September 2023
- Delivered comprehensive technical support solutions to dental offices with thousands of patients, both remotely and on-site, ensuring optimal functionality of critical systems and equipment
- Orchestrated integration of diverse technologies, facilitating seamless operations and enhancing of office systems and tools to 6 different offices
- Architected and implemented robust networking solutions, including deployment and management of hundreds of Ubiquiti routers and WIFI configurations, bolstering connectivity and system efficiency
- Demonstrated expertise in software management by efficiently installing drivers and liaising with support lines, further optimizing performance of client systems for hundreds of staff

PROJECTS
- ML Sign Language Detecting Program - Developed a real-time Python application utilizing TensorFlow and OpenCV, designed to recognize hand hundreds of landmarks and interpret corresponding sign language shape
- LifeQuest App Development - Pioneered a gamified task management application using Flutter, enabling users to complete tasks, set goals, and progress through levels, with integrated Firebase for data storage and user authentication
- Streamlit - Led creation of a machine learning program using TensorFlow and OpenCV to detect user engagement in dancing, automatically switching songs to improve user experience. Oversaw research and coding, achieving seamless integration and real-time performance enhancements

SKILLS
- Programming Languages: Python, C++, Dart, C#
- Technologies: OpenCV, TensorFlow, Firebase, Flutter, OAuth, APIs, Linux, Github, React, Electron, Unity