

Tamer Bassam Saleh

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EDUCATION

MS in Intelligent Systems Engineering | Indiana University

(May 2026)

- GPA: 3.87
- Spring 2025 Excellence Academy Award (4.00 GPA)
- Full Athletic Scholarship (Track and Field)
- **Computer Engineering** Track

BS in Computer Science, Minor in Mathematics | Lebanese American University

(June 2024)

- GPA: 3.83
- Merit Scholarship
- General Mahmoud Abou Dargham Award
- Athlete of the Year

WORK EXPERIENCE

iOS Developer Intern – CME (Beirut)

(07/2023 – 08/2023)

2 month internship working with Xcode and iOS Mobile App Development. Learned SCRUM Development, design patterns, and how to work with API and Git. Created a fully functioning app working with FakeStoreAPI, using MVC design architecture.

Flutter Developer Intern – Klevr (Beirut)

(09/2024 – 10/2024)

6 week internship, focusing on developing a Task Manager application. Covered several topics such as Firebase implementation, data persistence, filtering, sorting, dependency injection, and UI design.

Game Development Tutor – Geek Express

(04/2022 – 05/2024)

Taught Scratch (visual programming) to ages 6–10 and Lua scripting via Roblox Studio through structured online lessons.

PROJECTS

o Distributed Wildfire Prediction System with Apache Spark and Hadoop HDFS

Developed a multi-node cloud-based Spark/Hadoop platform for processing NASA FIRMS and NOAA weather data to generate next-day wildfire predictions.

o AI-Powered Trading Sentiment Analysis App with Python and React

Built a full-stack web application that aggregates financial data from SEC filings, Reddit, YouTube, and other news sources. Implemented sentiment analysis using FinBERT and developed APIs for stock-level insights.

o Microsoft Access Database System for School's Career Guidance Counseling

Design and implementation from scratch using Microsoft Access to assist with planning and managing information related to university applications for high school students. The database included tables, forms, queries, and reports, allowing students to enter their information and interested university choices to apply to, as well as the university they committed to.

o AI Coach – a Gym Tracker and Exercise Form Corrector using Computer Vision and Machine Learning

Real-time exercise form classifier using OpenCV and MediaPipe for pose estimation, engineering joint-angle features to train a scikit-learn Random Forest model that detects correct vs. incorrect form. Recommends workouts through a keras NN model.

CERTIFICATES

- App Development with Swift Associate – **Apple**

(03/2023)

- Microsoft Innovative Educator Certificate – **Microsoft**

(07/2022)

TECHNICAL SKILLS

- **Mobile Development** (Xcode, Swift, Flutter, Dart)
- **Software Development** Java, Python, C
- **Game Development** (C#, Lua, Unity)
- **Database/Backend** (SQL, R, Microsoft Access, Firebase)
- **Frontend Development** (React, HTML, CSS, JavaScript)
- **Machine Learning and AI**
- **Parallel Programming** (MPI, OpenMP, CUDA)
- **Cloud Engineering** (Docker, Spark, Hadoop)
- **Teamwork, Communication, Customer Service**