

Tamer Bassam Saleh

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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.

EDUCATION

BS in Computer Science, Minor in Mathematics | Lebanese American University (September 2021 – June 2024)

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

MS in Intelligent Systems Engineering | Indiana University (January 2025 – May 2026)

- GPA: 3.87
- Full Athletic Scholarship (Track and Field)
- **Computer Engineering** Track

PROJECTS

○ 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.

○ 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.

○ Mobile Gym Workout Guide with Flutter

Flutter based application that gives workout ideas for beginners in the gym. Users pick a muscle group and are given several workouts for that specific muscle, and they can add it to their workout plan.

○ 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.

○ AI Coach – a Gym Tracker and Exercise Form Corrector using Machine Learning and Artificial Intelligence

Desktop Application which uses neural networks and ML to correct form of certain gym exercises, as well as recommending workout plans based on previous workouts.

CERTIFICATES

- App Development with Swift Associate – **Apple** (03/2023)
- Microsoft Innovative Educator Certificate – **Microsoft** (07/2022)

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**