

# JEFFREY HADDAD

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## COMPUTER SCIENCE STUDENT

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### EDUCATION

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#### Bachelor of Science in Computer Science

September 2022 - Summer 2026

University of Balamand

Relevant coursework in Data Structures & Algorithms, Software Design, and Systems Analysis.

#### 42 Network Piscine Program

Completed Summer 2025

Intensive Coding Bootcamp

C Programming, Unix Systems, Algorithms, and Peer-to-Peer Collaborative Learning.

### PROFESSIONAL EXPERIENCE

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#### Development Club Member

2023 - Present

University of Balamand

- Organize technical events, workshops, and coding sessions for the university's CS community.
- Collaborate with team members on event planning and community engagement initiatives.
- Foster a collaborative learning environment for students interested in software development.

### PROJECTS

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#### Student Schedule Tracker

2025 - Present

Full-Stack Web Application | React, Node.js, PostgreSQL

- Built full-stack application helping students manage courses, assignments, and schedules.
- Implemented session-based authentication with bcrypt for secure user management.
- Architected RESTful API backend with protected routes and normalized PostgreSQL database.
- Developed responsive React front-end with dashboard, task management, and scheduling features.

#### Software System Analysis & Design

2025

Systems Analysis | UML, Architecture, Database Design

- Conducted comprehensive system analysis including feasibility study and requirements gathering.
- Designed complete system architecture with DFDs, ERDs, and UML class diagrams.
- Created detailed technical documentation and applied software engineering principles.

Social Media Network Manager

Data Structures & Algorithms | C++, Graph Theory

- Designed social network simulation using graph data structures and BFS algorithms.
- Implemented friend recommendation system based on mutual connections.
- Optimized graph traversal algorithms for large-scale network analysis.

2024

Restaurant Management System

Data Structures & Algorithms | C++

- Engineered comprehensive system handling menu operations and inventory tracking.
- Implemented hash tables for O(1) lookups and optimized data structures for efficiency.

2024

DVD Store Management System

Object-Oriented Programming | Java

- Architected rental management system using OOP principles and design patterns.
- Built modular components for inventory, customer management, and rental tracking.

2023

SKILLS

<b>Programming Languages</b> Java, C++, C, JavaScript	<b>Web Technologies</b> React, Node.js, Vite, HTML/CSS
<b>Database &amp; Mobile</b> PostgreSQL, Android Studio, Xcode	<b>Tools &amp; Concepts</b> Git, Linux/Unix, OOP, REST APIs

ADDITIONAL INFORMATION

**Languages:** English (Native), Arabic (Fluent)

**Availability:** Full-time positions starting Summer 2026 and internship opportunities

**Additional:** Open to relocation within Lebanon and internationally. Applied SOLID principles for scalable code architecture.