

Simon Loutfi | Computer Science

Location: Byblos-Lebanon

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Professional Profile

An enthusiastic computer scientist with a strong background in Java, object-oriented programming (OOP), and software design patterns. Experienced in developing applications using Java, Spring Boot, and Android Studio. Proficient in database management, structured query language (SQL), and full-stack development.

Work Experience

07/2024 - 09/2024

Eurisko Mobility SAL - adma

Internship AI and data analysis

Key Responsibilities

- *Collaboration with senior developers and project manager.*
- *Worked in agile for project management.*
- *Final Project on Convolutional Neural Networks (CNN), using Python OOP.*
- *Project presentation.*

03/2023-present

Mindscape Robotics Academy - byblos

Instructor

Key Responsibilities

- *Teaching Programming*
- *Curriculum Development*
- *Progress Monitoring*
- *Project Supervision*
- *Team Collaboration*

Education

Bachelor in Computer Science

Lebanese University Faculty of Science - Fanar

2021 - 2024

Volunteering

- Scout member since 2022 in Byblos Scout – Group club Kartboun
- Porter with Caritas Lebanon for WFP Project

Skills

- Languages: I feel comfortable to discuss a wide range of topics in English, French, Arabic.
- Programming Languages & Technologies: Java (Spring Boot, Android Studio), JavaScript, SQL, Python, C++, PHP, HTML, CSS.
- Software Development: Object-Oriented Programming (OOP), Software Design Patterns, Relational Databases (MySQL, PostgreSQL), NoSQL (Firebase), UML.

Projects

Event Planner Web Application (2025)

- Developed a Spring Boot web application for planning and managing events.
- Integrated PostgreSQL as the relational database with Spring Data JPA.
- Used Spring Validation for form input validation to ensure data integrity.
- Implemented sorting and filtering APIs for event listings based on date, category, and popularity.
- Followed MVC architecture for clean code structure and separation of concerns.

Detect plant diseases using CNNs (2024)

- Collaborated in an agile environment, adapting to feedback and iterating on model performance improvements.
- Communicated technical challenges and solutions effectively with experienced professionals, integrating expert insights into the project.
- Presented findings in a structured manner, demonstrating the model's impact and explaining results to both technical and non-technical audiences.

Android Chatting App (2023)

- Developed a real-time chat application using Java in Android Studio with Firebase as a backend.
- Implemented OOP principles and design patterns to structure the application efficiently.
- Integrated authentication, real-time messaging, and notifications.