

## Experience and Training

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### **Research and Teaching Assistant at Birzeit University**

Sep 2022- present

- **Courses taught:** java, advanced java (OOP), C and game engine programming using Unity software (C#).
- **Responsibilities include:**
  - Holding weekly office hours where students could get help on labs, homework and course concepts.
  - Leading weekly labs and providing assistant to students.
  - Grading assignments and quizzes.

### **Android Development at ProVision, Ramallah**

June 2012 – Sep 2021

Made a replica of (قائدات - leaders), Which is a mobile application developed to strengthen womens' political participation by raising awareness about different political topics.

- Developed the application using Kotlin programming language.
- Used a variety of Views and ViewGroups, such as: RecyclerViews, ListViews, Spinners, DatePickers, Check Boxes, WebView and different types of Layouts, etc.
- Used Retrofit to consume APIs, and other libraries like glide.

## Education

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### **Birzeit university – B.S. in Computer Science**

Sep 2018 – July 2022

- **Courses:**

Java, Data Structures, Algorithm Analysis, OS, Web Applications, Database Systems, Software Engineering, AI, Mobile Application Development.

- **Honors:** Honor list for spring semester (2021) & spring semester (2022).

### **Al-Fajr High School**

June 2018

## Projects

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- Created a **java** program to find the shortest path between two cities on the country's map. Used Dijkstra and A\* search algorithms to calculate the shortest path between two vertices (cities) on the graph (map), the road/lines between the cities will be shown on the GUI.
- Developed a **Java Spring-based** Course Management System using PostgreSQL database for data storage. Implemented a layered design pattern for improved maintainability and scalability. Initially used JDBC for database connectivity, later transitioning to JPA models with Hibernate for enhanced data management efficiency. Designed and implemented REST APIs to perform CRUD operations on courses with exception handling.
- Built a web application using **Angular** that serves as a recipe book and shopping list manager. The application allows users to create, view, edit, and delete recipes, as well as manage their shopping lists by adding, removing, or editing ingredients. Making the most of Angular's powerful features, including components, directives, services, routing, HTTP access, and authentication.

## Skills

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**Programming language:** good knowledge with java, familiar with javascript (ES6) and C.

**Frameworks:** familiar with Spring Boot & Angular (Self-learned through online/offline courses).

**Software and IDEs:** android studio, IntelliJ, eclipse, unity, VS code.

**Databases:** MySql and PostgreSQL.

**Languages:** Arabic (native language), English (full profetital proficiency).