Osher Zafar

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- Self-learner and self-motivated with an ability to work independently and collaboratively.
- Eager to leverage my technical skills and passion for problem-solving.
- A team player with strong analytical and coding abilities.
- Committed to contributing to innovative software development projects.

Skills

SQL · Java · C · C# · MySQL · Unity · Git · Android Studio · Firebase · Firestore · Python · Linux
React · HTML · CSS · JavaScript · MongoDB · NodeJS · Express · Object-Oriented Programming (OOP) · Multi-Threading
Parallel Computing · AI (Scikit-learn, TensorFlow).

Student Projects

Budget App (technology: Android Studio. Java)

- Developed a comprehensive Expense Tracker application for tracking over one hundred income and expense entries.
- Utilized Google **Firebase Firestore** as the database for efficient data storage and retrieval.
- Implemented functionality to distribute and track income and expenses across various time intervals, managing over one hundred entries annually for detailed financial analysis.
- Integrated a search bar to facilitate an easy search for specific incomes or expenses.

Game Development Final Project (technology: Unity, C#)

- Created a comprehensive mini game for a course project, utilizing **Unity** and **C#** in **Visual Studio**.
- Addressed complex mechanics, including scene management across 5+ scenes, interactive elements, and a combat system with multiple enemy types.
- Developed a text-based dialogue system that enabled 3 NPCs to provide players with detailed information.

Web Development Project (Visual Studio Code, HTML, CSS, JavaScript, MongoDB, React)

- Designed and built a **full-stack** e-commerce website using the MERN stack, handling both **frontend** and **backend** responsibilities, featuring a forum with 20+ discussion threads and a user authentication system for secure login and registration.
- Implemented a search functionality that allows users to find products from a dataset of over 10,000 entries.
- Integrated Node Mailer to send password reset emails, allowing users to reset their passwords using token-based authentication securely.
- Utilized **MongoDB** to store and manage a dataset of 10,000+ products, ensuring fast and reliable access for thousands of user queries.

Education

Computer Science B.Sc., Afeka college of engineering   **2021- Expected October 2024**
Relevant courses:
Introduction To Computer Science (**Java**), Data Structures(**C**), Algorithms, **Database** Systems, Operating Systems, Design & Analysis of Algorithms, **OOP**, Game Development, Mobile Application Development (**Java**), Programming Languages (**Python**), Parallel Computation(**C**), Compilation(**C**), and Computers Communication, Machine Learning (**Python**).

Highschool diploma   **2014-2017**
Full Matriculation Certificate, Atid Highschool

Military Service

Satellite Communication Technician   **2018 - 2021**
Served in the satellite department of Hoshen Signal Corps.

- Monitored and analyzed the electromagnetic spectrum to anticipate and mitigate potential bottlenecks.
- Conducted in-depth signal analysis and efficiently allocated bandwidth resources.
- Established and maintained effective communication channels with satellite customers.

Languages

Hebrew – Native, English – fluent