Shachar Benny
Software Engineer

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Location
Jerusalem / Modi'in

LinkedIn
Say hello

Projects

As a Computer Science student, I successfully hand off projects demonstrating solid programming skills and problem-solving abilities.

IsraQuiz (JavaScript + Python)
Created a web game using Flask that tests users' knowledge of cities in Israel - View the project

Compiler (Python)
A compiler that converts the high-level Jack language into binary code using a pre-built assembler and VM translator.

ImDb Review Classifier (Python)
Developed a neural network that classifies 50,000 written reviews as positive or negative based on score matching.

ImDb Review Classifier (Python)
Implemented a user-level thread library that employs preemption based on the Round-Robin scheduling algorithm.

Education

CS / The Hebrew University of Jerusalem

Oct 2021 — Present

- Gained hands-on experience in key computer science disciplines, including data structures, machine learning, operating systems, and programming fundamentals
- Applied concepts to real-world problems through rigorous coursework, reinforcing strong analytical and problem-solving skills.

- **Introduction to CS** (Grade: 83)
- **Data Structures** (Grade: 92)
- **Introduction to Machine learning** (Grade: 87)
- **Operating Systems** (Grade: 87)

CS / Irui A High School, Modiin

- **10 points in CS** (Grade: 100)

Experience

Cargo Agent / Maman Cargo, Ben Gurion Airport

2021 — 2022

- Specialized in high-value air deliveries, balancing precision and the responsibility of handling sensitive cargo.
- Maintained ongoing communication with managers and stakeholders to meet requirements under tight deadlines.

About

I'm a third-year Computer Science student at HUJI, specializing in rapid learning and committed to continuously enriching my knowledge, with plans to graduate next year.

My passion for coding drives me to explore the latest advancements in technology, focusing on solving complex problems with modern programming methodologies.

Expertise

Data Structures: Array Data Structure • Linked List (Singly/Doubly) • Stack Implementation • Queue Implementation • Binary Search Trees (BST) • Hash Tables (Hash Maps) • Graphs (Adjacency List/Matrix)

Algorithms: Sorting • Searching • Dynamic Programming • Complexity Analysis • Backtracking Algorithms

Machine Learning: Supervised Learning • Unsupervised Learning • Neural Networks • SVM • AUC-ROC

Operating Systems: Process Management • Memory Management • Thread Synchronization • File Systems • IPC

Personal Skills: Facilitating critique • Deep thinking • Detail oriented • Flexible • Communicative

Languages

Hebrew – Native speaker
English - Fluent
French - Fluent
Italian - Proficient