

Omer Dayan

Computer science student at JCT
Backend developer



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Experience

HomeSprint | Backend Developer - ML

December 2022 – Present

- Spearheaded the implementation and optimization of machine learning tools and algorithms.
- Architected and fine-tuned a proprietary AI algorithm, resulting in a 30% increase in customer retention and a 15% rise in average order value.
- Collaborated with cross-functional teams to develop and deploy proof-of-concept solutions for clients, demonstrating rapid learning ability and adaptability to changing requirements.

Teaching | Python Programming

2022

- Instructed Python programming at Hebrew University of Jerusalem, focusing on foundational language concepts and practical application in game development.
- Developed a comprehensive curriculum and provided mentorship to students to enhance their understanding and proficiency in Python programming.

Projects

- **Java 3D Graphic Scene Model:** Led the development of a Java-based project to build and process a 3D graphic scene, applying refactoring techniques and Agile methodologies.
- **C# .NET Store Management Plan:** Designed and implemented a store management plan using C# .NET, showcasing expertise in design patterns, XML file manipulation, and LINQ framework.
- **Fitness Software (Hackathon Project):** Engineered a fitness software solution utilizing OpenCV and Mediapipe libraries to track user exercises and provide real-time feedback on form and repetitions.

Education

B.Sc in Computer Science

Jerusalem College of Technology (JCT), 2020 - Present

BA in Education

2016 - 2020

Skills

- Proficient in programming languages: Assembly, C++, C#, Python, Java, VB
- Strong understanding of Object-Oriented Programming (OOP) principles
- Experienced with Linux operating system and development tools such as Visual Studio and Jupyter Lab/Notebook
- Skilled in Machine Learning and Data Analysis using libraries such as NumPy, Pandas, Seaborn, Matplotlib, and SciKit-Learn

Military service

- Paratrooper, Paratrooper Brigade
- Reserve Fighter, Armored Brigade
- Haravot Barzel (2023) - Deputy Intelligence Officer of the Battalion