Omer Assenheimer

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Software Engineer specializing in Data Science, with strong leadership experience and a proven ability to quickly learn and adapt to new challenges. Passionate about solving complex problems and developing impactful business-oriented software solutions. Dedicated to delivering results that align with organizational priorities and create meaningful value, while continuously developing my expertise and contributing to full-cycle projects.

Projects

- Designed a machine learning model using Kaggle data to identify patterns associated with school safety risks.
- Developed an e-commerce website using MVC architecture and integrated a scalable database backend.
- Scraped and processed specific last names from Wikipedia using Beautiful Soup and Pandas, exporting the data to a CSV file for further analysis.
- Developed a GUI project in Java incorporating advanced programming principles.

Experience

2023 – Present: Programming Training Coordinator, Cyber Education Center.

- Developing and delivering a structured technical and pedagogical training program for high school software educators.
- Assessed and interviewed prospective educators to evaluate their technical expertise .and ensure optimal role alignment, resulting in a highly efficient and cohesive team
- Mentoring and developing software educators.

2022 – 2023: Taught programming concepts in Python, C#, and Java to Teenagers.

2018 – 2019: Guided Teenagers in an Army Preparatory College ("Erez").

2014 – 2017: Military Service: Led and trained new recruits as a squad commander in the Magal unit, mentoring future commanders and managing logistics.

Education

2021 – 2025: Bachelor of Science in Software Engineering, Specialization in Data Science, Sami Shamoon College of Engineering (SCE), Be'er Sheva.

Relevant coursework: Data Mining, Algorithms, Data Structures, Principles of Programming Languages, OOP, Deep Learning, Database systems.

Skills

- Programming languages: Python, C#, Java, C, C++ (OOP), Assembly.
- Data Analysis Tools (Python): Pandas, Vaex, NumPy, Matplotlib.
- Databases: SQL (MySQL, SQLite), MongoDB.

Languages

- Hebrew – Native.
- English – Fluent.