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Shira Krantz
Software Developer

SUMMARY

A dedicated software developer with a strong foundation in technology and a passion for continuous learning. Possesses a blend of patience, persistence, and intellectual knowledge to tackle complex challenges effectively.

Education

Certificate - Software Development
Mahat   Jan '21 - Dec '23

- Key Programming Courses: C# Programming & Data Structures
- Mathematics: Discrete | Calculus | Linear Algebra | Statistics & Probability
- Algorithms | Data Structures | Artificial Intelligence | Operating Systems
- Docker Containers
- QA - Manual Testing & Automation

Full matriculation, 36 units. Graduated with honors, with computer science matriculation exam.   Jan '17 - Dec '21

Projects

Data Transfer and Monitoring - Real-world Project

Created a **distributed systems** solution by using **Kafka** for data transmission and storing metrics in **PostgreSQL** on **AWS**, working with large-scale data streams and the implementation of real-time monitoring solutions tailored for big data applications.
Development languages: Python | React

AI project: Find Waldo

Find waldo in an image, using convolution, kernels, and VGG16 model.
Development languages: Python | React

Full-stack project: User Management Web Application

Crafted and implemented a sophisticated & intuitive system of manager and user interfaces, proficiently managing user-generated posts and messages to foster robust knowledge sharing across the platform.
Development languages: Database: SQL Server, Server-side: C#, Client-side: React w/ Redux

Experience

AI & ML Boot Camp
Elementor   May '23 - Sep '23

Intensive program based on self-learning modules. Deepening in AI, python, C++, data structures and algorithms. ML: computer vision. (Diploma)

Information Systems Analyst
Rehovot Municipality   Oct '23 - Present

Skills

Programming languages: Python, C++, C#, Java, React
Database: SQL server, PostgreSql, MongoDB.
Technologies & Frameworks: .NET Core, .NET Framework, Web API Development,
Work Environments: PyCharm, Visual Studio, VS/Visual Studio Code, WordPress, SQL Server, Git, Docker Containers, AWS, Microsoft Dynamics 365
ML: Supervised learning, Unsupervised learning, Deep learning
Data Ingestion & Distributed Systems: Airflow, Kafka, Spark
Python Libraries: Scikit-learn, Matplotlib, Pandas, Numpy, Pillow, Dash Plotly, PyTorch.
Other: Algorithms, Data Structures, Operating Systems, Logical & Applied Mathematics.

Languages

Hebrew - Native Speaker
English - Fluent