

Ronit Schloss

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Citizenships: Israeli, Austrian

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Highly motivated and results-oriented Data Scientist with a strong background in software engineering and a passion for extracting insights from data. Proficient in Python, SQL, data analysis techniques, and machine learning algorithms.

Work Experience

Data Scientist, Freelance at The Israel Institute for Biological research, 2023-Present

- Leveraged Python and a Self-Organizing Map (SOM), an artificial neural network algorithm, to cluster Eastern Mediterranean weather data for research.
- Performed data normalization; employed data visualization libraries (Basemap, Pyplot) to create weather metric visualizations on maps per cluster, and conducted data analysis (statistics - math, numpy, pandas).
- Findings were presented as a poster on EGU24 (European Geosciences Union General Assembly) conference: <https://meetingorganizer.copernicus.org/EGU24/EGU24-13317.html>

Software Engineer, Baron Accounting office, 2017-2020

Developed and deployed a custom office management system (C#, Windows application, console application) featuring task management, progress tracking, and automated workflows. Utilized MySQL for data storage, with custom queries and views to optimize data retrieval and manipulation.

Software Engineer, NCR (Retalix), Temporary Project, 2018

Developed new product management features (C#, SQL Server, web services, WPF/MVVM) as part of the Retalix 10 Store Suite core team, enabling a unified shopping experience across channels.

Software Engineer & Co Founder, Remini, 2015-2016

Joined as co-founder and contributed to the development of a hybrid mobile app & website (PhoneGap/HTML5/JS, PHP/MySQL/AWS) for capturing & sharing children's milestones, used by tens of thousands.

Software Engineer & Entrepreneur, Self-employed, 2013-2015

Co-founded startups and designed and developed native Android applications (Java, SQLite).

Software Engineer, Artimedia, 2012

Collaborated with a development team to build a scalable online video player advertising platform using C#, ASP.NET, and SQL Server. Contributed to the project by writing database queries, stored procedures, and developing web services and web applications.

Software Engineer, Compedia, 2008-2010

Designed, developed, and implemented educational games and websites using ActionScript 2, focusing on user engagement, scalable design, and maintainability.

Education

- **Master of Science, Computer Science** (expected to graduate in September 2024; final project in progress), *The Open University of Israel*
 - Final project: 'Meteorological data clustering using machine learning methods'. Using several machine learning algorithms to compare their effectiveness with SOM in clustering Eastern Mediterranean weather data.
- **Data Scientist with python Track** (2021), *DataCamp*
- **Bachelor of Arts, Computer Science** (2008), *Reichman University (IDC Herzliya)*

Projects

Kaggle Titanic Challenge: Machine Learning Project, 2019

Collaborated on the Kaggle Titanic Challenge ("30 Hours" program of the "Baot" community) using machine learning to predict passenger survival rates and gain hands-on experience in data analysis and model evaluation.

<https://secure.smores.com/n/6738n-2019>

Military Service

(Kotevet Lomda) Software Developer and Team Leader, HEBET Unit, 2000-2002

- Led and managed software development teams for multiple projects.
- Developed educational software applications using Lingo programming language.