

Contact Information

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Links  
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Amit Malka

Data analyst with strong programming and statistical skills, focused on transforming complex datasets into actionable insights. Quick to master new technologies and implement effective solutions independently. Proven track record of optimizing processes and delivering results under pressure. Seeking to leverage analytical expertise to drive data-informed decisions in technology environments.

Skills

- **Python** (Pandas, NumPy, Matplotlib, Seaborn etc.)
- **R** Programming (dplyr, ggplot2, Seurat, tidyverse etc.)
- **SQL** (data querying and analysis)
- **Power BI** - Interactive dashboards, DAX, and data modeling
- **JavaScript, TypeScript, React, CSS** ([website](#) development)
- Technical Skills & Core Competencies
- Team Collaboration
- Fast Learner & Adaptable

EXPERIENCE

2020 - 2021  
Lab Technician & Shift Manager | MyHeritage

- Contributed to the initial laboratory setup as part of the first recruitment wave during COVID-19 pandemic
- Managed sample intake, tracking, and processing workflow from receipt to inactivation
- Coordinated with external stakeholders (hospitals, emergency services) to manage sample delivery and processing
- Led team operations during shift manager assignments, managing task allocation and maintaining process efficiency
- Facilitated communication between different laboratory teams to ensure seamless sample processing
- Returned to support laboratory operations during semester break between first and second year of studies

2022 - 2023  
SINGLE-CELL RNA SEQUENCING ANALYSIS PROJECT | MIGAL Research Institute | [LINK](#)

- Pioneered the first scRNA-seq analysis pipeline at the institute, independently learning the methodology through self-study
- Developed comprehensive R-based workflow using the Seurat package for analyzing gene expression in hypertension research
- Implemented advanced techniques including quality control, normalization, dimensionality reduction (PCA), and cell clustering
- Created detailed documentation and standardized workflows for future researchers

2024 - Present  
VOLUNTEER SOCIAL MEDIA ADMINISTRATOR | "Dor BeMil" Organization

Manage the organization's Twitter/X account, creating and scheduling content to support the mission of promoting equal military service in Israel

Education

2020 - 2023  
Bachelor of Biotechnology-Bio Data | Tel Hai College (GPA 85)

- Combined curriculum of biological sciences with specialized data analysis coursework
- Developed strong foundation in statistical methods and computational biology
- Key coursework: Biostatistics, Programming for Data Analysis, Advanced R Programming, Computational Biology
- Applied data analysis skills in multiple research projects throughout the degree program
- Utilized R programming to analyze and visualize real-world biological datasets
- Gained hands-on experience with bioinformatics tools and statistical analysis of complex biological datasets

2014 - 2017  
Military Service | Givati

- Managed logistics for 120 soldiers in dynamic operational environments
- Developed leadership skills through high-pressure tactical missions
- Coordinated team activities, fostering collaboration and efficiency