

Yossi Manzur

Bioinformatics Graduate | Software Engineering Trainee

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SUMMARY

- Bioinformatics and Computational Biology graduate with hands-on experience in biological data analysis, cancer genomics, RNA expression analysis, Python, SQL, and statistical testing.
- Currently completing intensive software engineering training focused on C/C++, Linux, data structures, operating systems, debugging, modular design, and system-level problem solving.
- Combines biomedical data orientation, practical software development skills, and real-world clinical exposure from several years as an Emergency Medic.

EDUCATION & TRAINING

Bachelor of Science (B.Sc.), Bioinformatics and Computational Biology | Bar-Ilan University | 2024

- Relevant Coursework: Bioinformatics, Computational Biology, Algorithms, Databases, C / C++ Programming, Object-Oriented Programming, Operating Systems

Software Engineering Trainee | Infinity Labs R&D | 2025 - Present

- Gaining hands-on programming experience in C/C++, Linux, data structures, operating systems, multithreading, IPC, and networking.
- Developing practical software projects focused on debugging, modular design, implementation, and system-level problem solving.

TECHNICAL SKILLS

- Programming & Data: Python, SQL, C/C++, data analysis, statistical testing
- Software Foundations: Linux, data structures, operating systems, debugging, modular design
- Biomedical Data: cancer genomics, RNA expression analysis, public genomic databases

PROJECTS

Final Project – MEIG1 Gene Mutation & Expression Analysis | Bar-Ilan University

- Analyzed cancer genomics and RNA expression datasets to investigate MEIG1 expression differences between tumor and healthy tissues.
- Defined and compared biological cohorts using public cancer genomics datasets and bioinformatics tools.
- Applied Wilcoxon statistical tests to compare RNA expression levels and support biological interpretation of the results.
- Identified higher MEIG1 RNA expression in tumor tissue and elevated mutation recurrence in uterine cancer.
- Used Xena Browser, UCSC Genome Browser, and Python scripts for data processing, analysis, and visualization.

PROFESSIONAL EXPERIENCE

Emergency Medic & Ambulance Team Lead

2020 – 2025

Magen David Adom

- Led ambulance teams in high-pressure real-world clinical environments requiring responsibility, clear communication, and accurate decision-making.
- Worked according to medical protocols while handling incomplete, time-sensitive patient information.
- Trained and mentored new volunteers on protocols, teamwork, and best practices.

Brand Manager

2016 – 2019

Padani Jewelers

- Managed logistics, inventory operations, and communication with suppliers.

MILITARY SERVICE

Israel Defense Forces - Nahal Brigade

2013 – 2016

- Participated in operational military service, including reserve duty during "Haravot Barzel".
- Led logistics and supply workflows for recruit training.

LANGUAGES

Hebrew
Native

English
Advanced