Naomi Rivkin

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Summary

I am a Computer Science B.Sc. graduate from the Technion, I have background in data-driven projects, algorithm development, and multidisciplinary problem solving gained through both academic and industry experience. I am a fast learner with a passion for tackling complex challenges and developing innovative solutions. I am quick to adapt to new technologies and environments and I am eager to apply my skills to contribute to impactful projects.

Work Experience

The Cancer Evolution Lab - Technion

2023 - Present

Research Assistant (MSc student)

- Developed and maintained Python-based bioinformatics pipelines for large-scale genome and single-cell data analysis.
- Performed statistical analysis and visualised on large-scale biological data.
- Designed and implemented high-performance computing workflows on Linux cluster infrastructure.

Bioinformatic Knowledge Unit - Technion R&D Foundation

2021 - 2022

Research Assistant (student)

- Built and optimized automated data analysis workflows for complex biological datasets using python.
- statistical analysis of protein-protein interactions.

Intel

2018 - 2020

Software Engineer (Student)

- Maintained and optimized driver APIs for Intel wireless devices using C++, focusing on low-level interactions with hardware.
- Designed and implemented software tools for internal QA and debugging, improving testing convenience.

Academic

Technion (Israel Institute of Technology)

2023 - 2024

MSc in Applied Mathematics

Technion (Israel Institute of Technology)

2017 - 2022

BSc in Computer Science

- GPA 86.5
- Scholarship for academic excellence from DELL/EMC (2018)

Skills

Languages	C, C++, Python, R, JavaScript, SQL, Bash
Systems & tools	Linux, Git, Cluster Computing, IPC
Concepts	OOP, Multi-threading, CI/CD, Data Analysis
Others	Pandas, PyTorch, TensorFlow, OpenCV, HTML, CSS, React, NodeJS, Docker, AWS
Spoken Languages	Hebrew, English, Russian

Projects

Project In Intelligent Systems Led By Prof. Assaf Schuster

2022

Atrial Fibrillation (AF) Prediction

- Developed a convolutional neural network model using TensorFlow to predict atrial fibrillation (AF) from ECG recordings.

Introduction to Bioinformatics Project

2021

Molecular analysis of triple negative breast cancer (TNBC) using genome-wide gene expression data

- Conducted large-scale data analysis using R.