

# Jonathan Miroshnik

Computer Science B.Sc.  
The Hebrew University of Jerusalem

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Full Stack Engineer with a strong academic foundation in computer science and a broad range of technical skills and interests. Program as a hobby, for personal uses, and for generative art.

## Education

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2021 - 2024

### B.Sc. Computer Science Hebrew University of Jerusalem

- ALGORITHMS, DATA STRUCTURES, OOP, OPERATING SYSTEMS, DATABASES, COMMUNICATION NETWORKS, COMPUTER ARCHITECTURE, MACHINE LEARNING, DEEP LEARNING, NLP, IMAGE PROCESSING, VR, DISTRIBUTED SYSTEMS, ONLINE ALGORITHMS.

2013 - 2016

### IRONI ALEF HIGH SCHOOL OF ARTS AND SCIENCES MODI'IN-MACCABIM-RE'UT

- EXPANDED PHYSICS AND COMPUTER SCIENCE, ALONG WITH A FINAL WEBSITE DEVELOPMENT PROJECT.

## Experience

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November 2024 - present

### [Betterplay.ai](#) - Full Stack Engineer

- Optimized **Shopify** front-end and **PHP** back-end for quicker analysis results and better file uploads.  
Managed website resources with **AWS** workflows.
- Consistent work with **MySQL**, **S3** for data storage and management.
- Developed in-house queue system for video analysis. Developed **Python** API pipelines for model training and use.

## Military Service

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2016 - 2018

### Computer Network Administrator

- Full mandatory military service.
- Responsible for the upkeep of hundreds of computers, servers, and army-specific systems. Overlooked training. **managed** a team of network administrators.
- Continuous expansion of **Shell scripts** for maintenance and automation of computer networks.

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[LinkedIn](#)

[GitHub](#)

## Projects

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[Sensorcensor.xyz](#)

**Personal website** and [portfolio](#). Made with **Node**, **React**, **Typescript**.

[Real Fake News](#)

Fully custom **AI agent** based news site. Automatic updates using **cron** job operations. Made with **Node**, **React**, **Typescript**.

[Arabic Language Teacher](#)

University Hackathon in the topic of Generative AI. Built an Arabic language tutor for Hebrew speakers with my team, using **Gemini API**, **React**, **FastAPI**.

Implementing LLM guardrails, text-to-speech and speech-to-text capabilities

## Skills

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- Python, C#/.NET
- Node, React
- TypeScript, PHP
- AWS(S3, EC2, CloudWatch, Lambda)
- PostgreSQL, MySQL, SQLite
- Git, Docker
- Vast Linux experience

## Languages

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- Hebrew - Fluent
- English - Fluent
- Russian - Conversational