

ELIRAN TURGEMAN

Software Developer, CS Student - Technion

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🐙 DevEliran

🌐 LinkedIn

EXPERIENCE

SOFTWARE DEVELOPER

Ayelet Lamm Lab

📅 March 2020 – Present 📍 Technion

- Development of a variety of tools for biology research. Mainly using pandas, numpy, scipy and matplotlib.
- Development of an app with Flutter and Flask performing statistical computations and visualizations of gene sets.

MATHEMATICS INSTRUCTOR

Kol Israel Haverim Organization

📅 Oct 2018 – Aug 2020 📍 Kiah

- Teaching math in high schools to 5 points students as a part of 'Sodkot' scholarship.

EDUCATION

B.Sc. in Computer Science

Technion

📅 2019 – Present

- Continued degree

B.Sc. in Computer Science

Open University

📅 2018 – 2019

TECHNICAL SKILLS

Python

C/C++

Backend Development and API Interfacing

Linux

Git/Github

Flutter

Java

MISC

Published writer in Cantor's Paradise and LevelUpCoding on Medium

PROJECTS

Image Compression

- Using numpy and matplotlib, I created a script that takes in an image and compresses it while presenting the compressed output at every degree.

🐙 [Code](#)

[Demo](#)

- For this project I wrote an article covering the math behind the compression algorithm and SVD decomposition.

The article was published in Cantor's Paradise on Medium.

📄 [Link to article](#)

Parallel 'Game Of Life'

- Implemented in a multi-threaded approach using semaphores and producer-consumer queues

🐙 [Code](#)

Github Automation

- I created an automation using Github's API that allows me to create a github and local repository and link between them while uploading a README file with a single command.

🐙 [Code](#)

- I wrote a Medium article about this project as well, explaining how I have created this automation.

📄 [Link to article](#)

Bash Clone, Linux Command Line

- Implementing a new linux command line - 'smash'.

This command line natively supports commands such as ls, cd, showpid, chprompt, pwd, jobs, quit, kill, fg, bg including pipes and IO redirection.

All other commands are supported through bash.

🐙 [Code](#)