NERYA BIGON

COMPUTER SCIENCE STUDENT

in GitHub **Portfolio**

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054-2504010

Passionate about programming, and eager to learn about new technologies.
A fast learner, team player, and highly adaptive to new environments.
Looking for opportunities to enhance my work experience and to improve my skills.

EDUCATION

B.Sc. in computer science & mathematics
Ariel University | 2020 - 2023 (Expected)

- Deep understanding of programming fundamentals such as OOP, design patterns, and Data Structures.
- Analyzing complexity and efficiency of algorithms.
- Knowledgeable about computer networking, Linux, and more.

PUBLICATIONS

Augmented Wav2Vec 2.0: ASR Improvement Using Data Augmentation for Under-Represented Languages

- In this paper, we propose a novel approach to improve automatic speech recognition (ASR) performance for under-represented languages using data augmentation.
- Our approach augments the training data by synthesizing new speech data using a combination of noise injection, speed changes, and frequency masking. We show that our technique significantly improves the ASR performance for under-represented languages.

PROJECTS

Knowledge Base
- When starting my degree, one ambition of mine was to open-source as much as I can from it, so that many different people can profit from it. This is an ongoing project that will forever grow as I continue to learn new things.

RDT Chat App
- Implemented reliable data transfer with congestion and flow control over UDP. Including responsive UI.

For more projects check out my **Portfolio**

MILITARY SERVICE

Combat Soldier
Served as a combat soldier in the infantry corps, and at the present I'm part of the military reserve force.

SKILLS

Python	Docker	Networking	**ML/DL:**
Java	Git	Flutter (dart)	PyTorch
C/C++	OOP	Kivy/KivyMD	datasets - (Hugging face)
C#	SQL / NoSQL	Photoshop	transformers - (Hugging face)

LANGUAGES

Hebrew - Native
English - Excellent