Ofir Nahshoni

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SUMMARY

A Computer Engineering Student at Ruppin Academic Center, 4th year. Deep knowledge in software development, design patterns, and fundamental algorithms of AI (Logistic classification, Backtracking, Linear & Polynomial regression, Gradient Descent).
Basic knowledge in Image and Signals Processing (MATLAB, Python, Viola&Jones algorithm).

EDUCATION

2019 - Present: Computer Engineering (B.Sc), Ruppin-Academic-Center.

- **Software:** C, C++, Python, Operating Systems (Linux), Software Engineering (marked 95), Server Side Flask (marked 99).
- **Hackathonsns:** 2 FPGA hackathons RISC-V processor for AI computational accelerator.
- **Image and Signals Processing:** Random Signals and Noise (marked 98), Data Signals Information Processing (marked 85), Image Processing and Computer Vision, MATLAB.
- **Projects:**
  - **FullStack Web App** – A website that shows the sales of vehicles in Israel on a responsive heat map (geopandas Python). You can upload a vehicle and be a seller or just a viewer/buyer. Includes user authentication also. Backend with Flask (Python) and Frontend with HTML5 & Jinja2. DB SQLite.
  - **FullStack Web App** – A basic user management application and a user's profile. Backend with Flask (Python) and Frontend with HTML5 & Jinja2. DB SQLite.
  - **Autonomous car line follower** recognizes obstacles and their color (3rd – competition).
  - **Trained Logistic Classifier** to determine whether an image is fake or real. Training process through Gradient Descent (accuracy 96%). Python.

2018-2019: Industrial & Management Engineering, Ruppin-Academic-Center.
2008-2011: Hadasim high school. Full Matriculation, Computation, and Mathematics.

ARMY SERVICE

2012-2018: Captain, Nahal brigade, IDF

- **Combat officer positions** – In charge of combat units from 40 to 130 soldiers. Improved my abilities: of talking to the audience, and deal with extremely stressful situations.
- **Staff position** – Management skills, big projects management.

WORK EXPERIENCE

2019- Present: Math private teacher for high school 5 units math students, and first-year academic students. In this job, I improved my ability to initiate, teach and guide, even fresh materials that I learned in my degree.

LANGUAGES

Hebrew – Native.
English – Business.