Dana Elimelech – Algorithm Developer

danae252@gmail.com | +972-52-5406405

Summary:

Experienced algorithm and software developer with a strong emphasis on Computer Vision, Algorithm Development, and Artificial Intelligence with over 5 years of professional experience. Proficient in end-to-end development, including Algorithm development, implementation, analysis and testing. Skilled in **Python**, **C++, OpenCV, Numpy, Pandas, Tensorflow, Keras, PyTorch** and **OpenGL.** Excellent collaboration and communication skills, with the ability to work effectively in cross-functional teams. Strong problem solver with high analytical and interpersonal skills.

Professional Summary:

- Jan 2022 – Oct 2023: **StamScanner, Lead Algorithm Developer**.
    - Spearheaded the development of a **Python-based** Computer Vision detection and classification system.
    - Employed advanced **Image Processing** techniques to overcome unique challenges and enhance system accuracy.
    - Collaborated closely with founders and stakeholders, delivering successful presentations to potential investors, demonstrating the value and potential of the software.

- Nov 2016 – Apr 2020 : **ProTrack, R&D programmer**

    - Developed and optimized software for 3D model reconstruction from multiple images.

    - Created and refined multi-label classification models using **Python**, **TensorFlow**, and **Keras**.

    - Optimized registration algorithms through mathematical optimization using **C++**, **OpenCV**, and **OpenGL**.

- Dec 2015 – Dec 2016: **Texas Instrument**

    - Developed, analyzed, and benchmarked system for Wi-Fi IOT devices. (**C**, **Java-Android**)

- 2013 –2016: **Teaching Assistant**, Lev Academic Center (JCT)
    - Tutored students individually and in small groups to reinforce learning concepts.

Education:

- 2022 – Present: M.Sc. in Computer Science, Open University of Israel
- 2012 – 2016: B.Sc. in Computer Software Engineering, Lev Academic Center (JCT)

Languages:

- Hebrew – Native Speaker
- English – Fluent