Yehonatan Arbel

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ABOUT ME

B.Sc. Computer Science graduate, looking for a full-time position.
Software developer specialized in complex algorithms, programming in different languages in a variety of IDEs.

Strong work ethic, thinking outside the box, self and quick learner, passionate about technology.

SKILLS

Technical Skills

- Front-End and Back-end web development: JavaScript, Node.js, React, Git & GitHub, HTML5, CSS3, Bootstrap, MongoDB.
- C, C++, Java, Python (OpenCV, Numpy and Pandas libraries in particular), MySQL, Assembly.
- Knowledge in OOP/OOD, Design Patterns, Data Structures.

Languages

Hebrew - Native, English – Excellent.

EDUCATION

Holon institute of technology
B.Sc. Computer Science
Graduated October 2020 | Holon, Israel

WORK EXPERIENCE

Decathlon
Bike mechanic and Salesman
2017 - 2020 | Rishon LeZion, Israel

- Good interpersonal relations.
- Multi-tasking and working under pressure.

Military Service
2011-2014

- March 2011 ~ July 2013 | Air-Force - Stinger Battalion.

August 2013 - March 2014 | Home Front command – search and rescue unit.

STUDY & TECHNICAL PROJECTS

Extended Kalman Filter

- An algorithm for navigation comprised by a two-step process: prediction and measurement with sensors and their weighted average, taking noise into account, and the result would be the estimation for a current state (position, velocity, acceleration).
- Written in Python.

Vehicles Monitoring

- Video processing for the purpose of identifying and counting vehicles, according to their travel route.
- Using Computer Vision methods (CV2 library).
- Can be applied to road cameras, with lane coordinates adjustment.
- Written in Python.

Matrix problems solver

- A multi-threaded server that serve multiple clients concurrently.
- Designed to solve matrix problems, such as: Shortest paths and Traversable nodes.
- Using DFS and BFS algorithms.
- Written in Java.