

ROM IHIA

Software Engineering Student | Software developer & Implementation



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SUMMARY

B.Sc. Software Engineering student with professional proficiency in C++, C, Python, and Java, showcasing expertise in OOP and Data Structures. Strong foundation in computer science, analytical, excellent team collaborator, passionate about innovation. Eager to join a dynamic engineering team, contribute to innovative software solutions, and learn from industry experts. Has security clearance level 1.

SKILLS & KNOWLEDGE

- Python
- Java
- C++
- C
- Data Structures
- Object Oriented Programming
- Algorithms
- Docker
- SQLite
- Git
- PostgreSQL
- FastAPI
- Open-CV

EDUCATION

- **B.Sc. in Software Engineering**
at S.C.E academic College of Engineering
2021 – 2025
- **New media major**
at Ort Naomi Shemer high school
 - Full diploma
 - Web Design2012 – 2017

LANGUAGES

- Hebrew
- English - professional proficiency

EXPERIENCE

Development & Implementation of Requirements Systems

Panda Tech Company

• Jan 2023 - Present

- Successfully leading a team in the implementation of new software requirements for the company and customers, ensuring seamless integration and improved processes.
- Developing automation scripts to enhance efficiency and productivity.
- Engaging with clients through effective communication, conducting meetings, providing trainings, and delivering ongoing support.
- Demonstrating exceptional leadership, teamwork, and adaptability while fostering a positive work environment.

SOME SELF-PROJECTS

Vehicle Agency:

A **Java** system with **GUI**, **design patterns** (Memento, Abstract Factory, Observer, Decorator, Thread Pool, Singleton), **OOP**, and **thread** concurrency, providing a comprehensive solution for vehicle management.

Photo Server:

This **Python** project integrates an **SQLite database** along with **face_recognition**, **FastAPI**, and **Docker** for facial recognition and efficient image search. It delivers accurate user identification within photo collections while securely storing facial data in the database for seamless retrieval and analysis.

Real-time Pose Detection 3D and Sports Analysis:

Python system using **mediapipe**, **cv2**, **numpy**, **pandas**, and **matplotlib** for real-time fitness exercise analysis and feedback through live camera feed, ensuring users maintain proper form during workouts.