# IDO ZIV

## Software Engineer

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in [LinkedIn](#)    ◯ [Github](#)    ⊕ [Website](#)

# EDUCATION

**BS.c in Computer Science at Bar-Ilan University**    📅 2021-2024

# PROJECTS EXPERIENCE

### Real Estate Investment Platform

Developed a web system for real-estate investments. The platform is designed to assist users in making informed real estate investment decisions by providing comprehensive, quantitative analysis of potential property investments.
**Technologies: Python, Flask, NumPy, MongoDB, React**

### Segmentation Model API

Developed a model conversion, preprocessing, and segmentation system using PyTorch, ONNX, and FastAPI.
**Technologies: Python, PyTorch, ONNX, FastAPI, Docker**

### Autonomous Taxi Service

Built a microservices-based simulation for an autonomous taxi service operating on a city grid.
**Technologies: FastAPI, Redis, RabbitMQ, Docker, Docker Compose**

### Whatsapp Clone

Developed a website (**MERN**) and Android application for chat service like WhatsApp, using Client-Server technologies; **NodeJs, MongoDB, JavaScript, HTML, CSS, SQL, AndroidStudio, WebSockets, Express, and React. MVC and MVVM principles**.

### Vector Classifier

A project in C++ about vector classification using the **KNN** algorithm and a **multithreading server-client connection**.

# WORK EXPERIENCE

### SECURITY SHIFT MANAGER AT CHEVRON

📅 2019-2023

- **Website development** - Took the initiative to develop and implement an interactive website (Frontend and backend) assisting the company's security team. The website facilitated streamlined work arrangement submissions, provided a platform for forums, and fulfilled various work-related requirements. Technologies used: **NodeJs, MongoDB, JavaScript, HTML, and CSS.**
- Security shift manager in a gas facility.
- Responsible for a group of up to 10 people in the shift.
- Responsible for the safety of the facility workers.

### COMBAT SERGEANT IN SPECIAL UNIT AT IDF

📅 2015-2018

- A fighter in an elite unit in the IDF - a paratrooper patrol.
- Operating in extreme situations, coping under complex pressure situations while making decisions.
- Lead and Command a small team of fighters, carrying out proactive operations in the field.

# SKILLS

**Languages:** C, C++, C#, Java, Python, NodeJs/JS, Assembly

**Frameworks:** React, NextJs, FastAPI, Linux, Android, MongoDB, GIT, Jira, Docker, Redis, Kafka, RabbitMQ

**Principles:** OOP & Design patterns, MVC, MVVM, MERN, APIs, communication protocols, Parallel programming