

## Shimon Avraham

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### PROFILE

Seeking a challenging position as a **Backend/Full Stack** Developer. Highly motivated and eager to tackle complex projects and contribute to innovative solutions.

### EDUCATION

<b>University</b> B.Sc. in Computer Science, Bar Ilan University.	2019 – 2023
<b>Preparatory Course (Mechina)</b> Bar Ilan University, Israel – Average 85.	2017 – 2018
<b>Gimnasya Realiت High School</b> Received certificates for outstanding academic achievements (top 5 percent).	2008 – 2011

### UNIVERSITY PROJECTS

- **Fair Division:** Full-stack application in which users can input their fair division problem and the output will be a suggested “fair” allocation of the resources to the agents.  
Client side **React**, server-side **Python** and **MongoDB**.
- **Web Applications:** Gained practical skills in building single-page applications with **React** and server-side development with **NodeJS**. Completed a group project on a real-time chat application.
- **Anomaly Detection Server:** Developed **C++** anomaly detection server enabling clients to upload CSV files, customize algorithm parameters, and receive detailed anomaly reports. Implemented SOLID principles, design patterns, and parallel programming with threads for efficient processing.
- **Arkanoid:** Implemented a classic Arkanoid game using **Java**. Demonstrated proficiency in object-oriented programming principles and game development.

### MILITARY SERVICE

<b>ISRAEL DEFENCE FORCE (IDF)</b> <b>Predictive Placement Manager</b>	2012 – 2015
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#### Role Description:

- Responsibility for managing, monitoring and assigning soldiers to the reserve units.
- Cooperating with superior officers on different projects.
- Outstanding soldier - unit commander (brigadier general).

### ADDITIONAL INFORMATION

*Programming:* C, C++, Java, Python.

*Databases:* SQL, MongoDB.

*Web Technologies:* JavaScript, HTML, CSS, NodeJS, ReactJS, ExpressJS, REST API, JSON.

*Tools:* GitHub, Jira, Jupyter Notebook, Postman, Latex, Bash Scripts.

*Operating Systems:* Linux, Windows.

*Soft Skills:* Problem-solving, Quick learning, Team player with high social skills.

*Languages:* Hebrew - Native, English - Proficient.

\*Certificates and recommendations will be delivered on demand.