

Roei Nizri
Full stack Developer

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EDUCATION

Ort Braude – Braude Academic College of Engineering	2020 – 2024
BSc Software Engineering – <i>Fourth-year student, expected graduation: March 2025</i>	

PORTFOLIO

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- **Kids' Playground Written in OpenGL** - Created an interactive kids' park using OpenGL, incorporating animations, to enhance textures, and various visual effects user experience.
 - **Mini Project Application for Managing a Drinking System** – Developed a full-stack application for managing a drinking machine system, integrating database management with frontend and backend development.
 - **Restaurant and Shell Menu Programming & ADT Programming**- Programmed a user-friendly shell menu interface for restaurant, facilitating order management and streamlining operations. In addition, designed and implemented a restaurant management system leveraging ADT and file storage.
 - **Student Management System Using Files** - Developed a file-based system to efficiently manage student records, including data entry, updating, and retrieval processes.
 - **Minefield Game** - Developed a Java-based object-oriented programming Minefield game, focusing on game logic, graphical user interface, and user experience enhancements.
 - **MDP Search Algorithm - Artificial Intelligence** – Implemented a Markov Decision Process (MDP) search algorithm to solve complex decision-making problems, applying AI principles.
 - **Digress** - Conducted a data mining project to analyze and extract meaningful patterns from large datasets, utilizing advanced data mining techniques.
 - **Message Encryption System** – Designed a secure system for encrypting messages using a combination of SALSA20, RSA, and EC ELGAMAL encryption algorithms to ensure data confidentiality and integrity.
 - **Real-Time Programming Game** - Created a real-time version of the classic game "SPACE INVADERS", implementing game mechanics, graphics, and user interactions.

SKILLS

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| <ul style="list-style-type: none">• C, C#• Java• JavaScript• SQL | <ul style="list-style-type: none">• HTML & CSS• Python• Assembly | <ul style="list-style-type: none">• AI & ML• OpenGL• MongoDB• Node.js | <ul style="list-style-type: none">• Soft Skills: Problem-solving, Communication, Teamwork, Attention to detail, Prioritization |
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COURSES

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| • Capital Market Introduction Course - <i>Meitav Dash</i> | 2020 |
| • Barista Course - <i>Biga</i> | 2017 |

WORK EXPERIENCE

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| • Ten Gas Station | 2019 – 2020 |
| • Greg, Landwer, Biga Barista -> <i>Bar Manager</i> | 2017 – 2018 |
| • Nir Ezion Food Company | 2012 – 2014 |
| • Coca Cola | 2012 – 2014 |

Languages: Hebrew – Native | English – Very Good (speaking, reading, writing)