Alon Carmel

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in LinkedIn

GitHub

SOFT SKILLS

- Team player
- Creative problem-solver
- Self and fast learner
- Interpersonal skills
- Analytical skills

TECHNICAL SKILLS

- **Java** (inc. Spring boot- Security, JPA)
- **Python** (inc. NumPy, Matplotlib, pandas)
- **C** (inc. ANSI C, GCC, Valgrind)
- **JavaScript** (inc. React, Axios)
- **HTML, CSS** (inc. Bootstrap, modules, SCSS)
- **MySQL, PostgreSQL**
- **MIPS Assembly**
- **MATLAB**

- **Algorithms**
- **Data structures**
- **OOP, OOD**
- **Debugging skills**
- **RESTful API**
- **Authorization & Authentication**
- **Thread Management & Synchronization**
- **OSI model**
- **Network Protocols:** HTTP, HTTPS, TCP, UDP, IP, DNS

- **JSON** (inc. JWT, Postman API)
- **XML** (inc. Schema, DTD, Java- JAXB, JAXP)
- **YAML**

- **Linux** (inc. Ubuntu)
- **Virtual machine** (inc. WSL2)
- **MS** (inc. Office: Excel, Access, Word, PPT)

- **GitHub**
- **Weka3**
- **IDEs:** VS Code, PyCharm, Jupyter, Eclipse, Intellij, CLion, Mars

LANGUAGES

- **English** – High level
- **Hebrew** – Native

INTERESTS

Software Engineer

SUMMARY

Motivated computer science student, eager to develop innovative products.
Enjoys tackling challenges and solving complex problems.
Solved over 300 algorithm and data structure questions on LeetCode.
Gained diverse project experience across various technologies and languages.
Ready to make a mark in the industry in any development role.
Seeking my first software position (part-time or full-time).

EDUCATION

The Open University of Israel	*2021-2025(Oct.)*
B.Sc. in Computer Science. **Current GPA: 86**	***Available now***
Leo Baeck - High School Diploma	*2013-2016*

SOFTWARE PROJECTS

C90 - 12 Bit Assembler

- **Development:** Built a C90-compliant 12-bit assembler in C, focusing on encapsulation and error handling**.**
- **Optimization:** Enhanced algorithms for better compiler design and debugging**.**
- **Error Handling**: Implemented comprehensive error detection with over 70 types of errors and warnings.
- **Compliance**: Ensured adherence to C90 standard using WSL2.
- **Validation**: Verified zero memory leaks and errors with Valgrind.
- **Learning**: Acquired skills in compiler design, error handling, system-level programming, and debugging in Linux environment.

"InalaBook" – Full Ecommerce site *(repository available upon request)*

- **Tech Stack**: Java Spring Boot backend, React frontend, HTML, CSS, JWT authentication with Spring Security, JPA, MySQL, and Axios.
- **Features**: Signup/login, public book browsing, role-based access:
  - **Main Admin**: Manages workers (Admin role), stock, and orders.
  - **Admin**: Manages stock and orders.
  - **Customer**: Purchases books and manages personal details.
- **Design**: Modern and visually appealing with a feature-rich interface.
- **Learning**: Gained experience in full-stack development, secure authentication, role-based authorization, designing RESTful APIs, and debugging complex issues.

WORK EXPERIENCE

'Aharai TECH' - Youth Leader and Python Instructor   2022-2024

Nonprofit organization empowering under-resourced teenagers with tech skills for entry into elite military units, including Unit 8200.

- Instructed students in Python, data analysis, and SQL across various skill levels and led them to multiple hackathon competitions.
- Promoted to lead instructor for the unique Phoenix program due to demonstrated leadership.
- Selected for the Phoenix program's content development team.
- Recommendations available from Aharai-Tech and 8200 alumni managers.

'Domino's Pizza' - Shift Manager   2019-2020

- Managed shifts at the busiest location, provided accurate customer service under pressure. handling up to 30k daily in sales.
- Managed inventory, supplier interactions, and order processing.

Israeli Defense Force *(Exemption from reserves)*   2016-2019

First Sergeant, Combat Intelligence Collection Corps

- Graduated in top 10% of training; selected for the "Stars-Track" commander's course at first opportunity.
- Commanded preparation classes for combat soldiers and spotters.
- Led a team of 10 combat soldiers in various classified operations.