

Sahar Cohen

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SUMMARY OF QUALIFICATIONS

Highly motivated, self-learning, and ambitious Computer Science graduate seeking a full-time position as a software developer.

EDUCATION

B.Sc. in Computer Science, Ben Gurion University *October 2021 – August 2024*

- Grade point average - 86.

Student Exchange Program, University of Innsbruck, Austria *September 2023- February 2024*

High School Diploma, Ostrovsky High School - Ra'anana *September 2015 -June 2018*

- 5 units in Math and English, majors: software engineering, computer science.
- Completed Math finals two years ahead of schedule through the Bar Ilan Program for Talented Youth.

PROJECTS

Construct-State Classifier for Hebrew NLP (python): **Python**

Built a Python classifier to categorize Hebrew construct-state structures using linguist features from 1,000 labeled examples, with vector representations and k-fold validation.

Set Card Game (Java): **Java**

Developed a concurrent card game using Java Threads and Synchronization to enable efficient multiplayer gameplay.

World Cup Subscription Service: **Java, C++**

Built a real-time event notification system using STOMP protocol with Thread-per-client And Reactor server modes.

Coalition Race: **C++**

Designed an object-oriented system, handling memory in C++, and avoiding memory leaks.

ADDITIONAL INFORMATION

Private Tutor - *August 2024- Present*

- Private Tutor for Academic Courses: "Introduction to Computer Science" and "Systems Programming," specializing in guiding Computer Science and Engineering students.

IDF - *April 2019- October 2021*

- Served in coordination of Government Activities in the Territories.

SKILLS

Programming knowledge: C | C++ | Java | Python | C# | JavaScript | React | SQL

Advanced Topics: OOP | Data-Structures | Operating systems | parallel programming | Git

Languages: Hebrew – Native speaker | English - Full working proficiency.