Tomer Elal

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Summary

Third year student with experience in a variety of languages & technologies, looking for a student position as a software developer. Team worker, creative, autodidact, quick learner and inquisitive to learn more about the technologic world.

Education

The Hebrew University of Jerusalem – (**2021 – Current)**
- Bachelor's degree in Computer Science – 2nd year, Expected graduation - 2025
- **GPA – 87**
- Honors scholarship recipient from the Hebrew University

Wingate Institute Diploma – Personal Trainer (2020 - 2021) Completion of the course with excellence

Personal projects

- **A project for predicting hotel reservation cancellations through the Agoda company -** as part of the hackathon in the field of **machine learning**, we created a Python program that uses the "sklearn" library so that when a hotel reservation is given, the program makes a prediction whether the reservation will be canceled or not. We performed the learning phase with the help of the Adaboost algorithm using the cross-validation method.
- **A project of building a computer as part of the Nand2Tetris course** - as part of the course I built a computer starting from basic Nand gate chips to building a processor, memory, input components, etc. I also wrote an assembler, compiler and a basic operating system in Python.
- **Computer games in the Java programming language** - games like Bricks or Super Mario that walks in an infinite world, object-oriented programming that uses third-party libraries.

Skills & Relevant courses

- **Python**
- **C, C++, C#**
- **Java, JavaScript**
- **SQL**
- **HTML & CSS**
- **Object Oriented Programming**

- **Algorithms**
- **Introduction to computer science**
- **Introduction to Machine Learning**
- **Operating Systems**
- **Data Structures**
- **Computability & Complexity**

Experience & Military Service

- **Web Developer** at "RESULT MEDIA" (2019 to 2021) - Design and creation of websites in JavaScript as well as client-server side development
- The technological unit of the Israel Border Police (2014 – 2017) - As part of the service, we carried out training on many technological means such as observation and surveillance means.
  Holds two Certificates of Excellence from the Chief of Police.

Volunteering

Actively volunteering at "AHARAI!" organization - renovating houses of Holocaust survivors and elderly people