

Eli Kessem

phone: 050-599-8607 | mail: ek1230@gmail.com | <https://giv1230.github.io> | <https://www.linkedin.com/in/eli-kessem-9a2566187>

Education:

Bachelor of *Computer-Science*, Economics and Management from The Open University of Israel.

Languages:

English- fluent | Hebrew- native language

Skills:

✓ Java	✓ express.js	✓ Spss	✓ Jupyter	✓ Git
✓ JavaScript	✓ Ajax	✓ Microsoft Office	✓ Pandas	✓ SciPy
✓ PHP	✓ Python	✓ Bootstrap	✓ TensorFlow	✓ Scikit-learn
✓ C	✓ Rest	✓ Laravel	✓ Keras	✓ netwrkX
✓ C#	✓ Json	✓ Spring-Boot	✓ NumPy	✓ OpenCV
✓ C++ (11)	✓ Windows	✓ NET	✓ Matplotlib	✓ NLTK.
✓ HTML	✓ Linux	✓ ASP.NET	✓ Seaborn	
✓ CSS	✓ Visual Studio	✓ React		
✓ node.js	✓ Weka	✓ Anaconda		

Knowledge:

- | | |
|---|---|
| ✓ Data structures. | ✓ Wireshark. |
| ✓ Networking. | ✓ Data mining and data science. |
| ✓ Operating Systems. | ✓ IPC. |
| ✓ UML Diagrams. | ✓ Introduction to Artificial Intelligence |
| ✓ Debugging with gdb, strace, valgrind. | ✓ Agile. |

Professional Experience:

2018-2019: Tavor economics and finance

- Business analysis.
- Writing business plans.
- Market analysis.
- Etc.

2014-2017: Bezeq – Customer Support

2011-2013: Alut – Instructor

Military experience:

Combat soldier in Engineering brigade in IDF.

Projects:

Portfolio in github: <https://giv1230.github.io>

Examples of C projects during the Bachelor degree:

- Implementations of generalized: Vector, Linked List, Double Linked List, Queue, Hash Set, Hash Map, Binary Tree, Heap, Iterators.
- Implementation of Assembler.
- A basic **Chat App** between few PCs (through the terminal windows).
- Implementation of "job-control" and "command-interpreter".
- FAT-12 file system implementation and using it in floppy disk formatting.

Examples of C++ projects during the Bachelor degree:

- Implementation of the String library.
- Implementation of Hash Set and Vector.
- Implementation of the Bitset library.

Examples of Java projects during the Bachelor degree:

- A program that searching for Java code errors by implementing RB-Tree data structure.
- Implementation of Decision Tree algorithm.

Examples of Machine Learning projects (Python) during the Bachelor degree:

- Implementation of search algorithms in a puzzle game (The implemented algorithms are: DFS, BFS, A*, Uniform-Cost-Search).
- Writing a code that brings PACMAN to complete 2 game levels with maximum 2 tries.
- Writing an algorithm that relies on "Minimax" algorithm that prevent PACMAN from meeting the ghosts in the game.
- Implementation of the "Alpha-Beta-Pruning" algorithm.
- Implementation of the "Graphplan" algorithm for solving the Hanoi problem.

Projects I made at home:

- ***Business Website – based on Django backend.***
- ***Stock price forecasting with jupyter notebook and variety of machine learning models.***