Eli Kessem

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

- ◆ **Excellent interpersonal skills, fast learning abilities, high analytical skills, accuracy and order, broad knowledge in data analysis, high motivation and business experience. Can execute assignments independently and in a team.**
- ◆ **Proficient with Microsoft Office programs**
- ◆ **Programming skills: Java, JavaScript, PHP, C, C#, C++, HTML, CSS, node.js, express.js, Ajax, Python, React, Rest, Json, Bootstrap, Laravel, Spring-Boot.**
- ◆ **Familiar with BI tools.**
- ◆ **Familiar with the UX principals, the Axure and the Figma application.**
- ◆ **Looking for a full-time job.**

Education:

2010-2015: Bachelor of Economics and Management from The Open University of Israel.

2017-2019: B.Sc. in Computer Science in The Open University of Israel.

Languages:

English- fluent   Hebrew- native language   Spanish – basic

Relevant courses during my B.Sc.: Data structures and algorithms, introduction to computer science and Java language, lab in system engineering, DB implementation, DB systems, introduction to computer networks, data mining, operating systems, introduction to AI.

C projects that I made during the Bachelor degree:

- A program that receive a C code file as input and validate that all brackets in the file are balanced.
- A function that receive a Double input and calculate the cosines of this number.
- A program that receives list of chars as an input (the char stream is unknown and unlimited), insert the char list into data structure and print them afterward.
- A program that make algebraic operations on complex numbers, and prints the results (or the error).
- A program that receives a text file containing words, and returns a new text file with the words in lexicographic order + noting next to each word in which line it appeared in the text file input.
- Implementation of Assembler.
- Implementation of 2 "threads" libraries at user-level:
  - One library implements "Binary-Semaphores" for critical section solution implementation.
  - The second library implements few functions that enables creation and operations of threads in user-level and measurement of the profiling running time of programs that use this library.
- Implementation of "job-control" and "command-interpreter".
- FAT-12 file system implementation and using it in floppy disk formatting.

C++ projects that I made during the Bachelor degree:

- Implementation of "Hash-Join" algorithm that receives 2 files (that contains lists of numbers) as an inputs and returns (as output) a new file that contains the result table (number addition).

Java projects that I made during the Bachelor degree:

- A program that receive an integer that represent Milliseconds and print a representation of this number as days, hours, minutes and seconds.
- A program that receives 3 integers that represent the day, month and the year and another integer (num) input (between 1 to 10), and returns the expected date after "num" days.
- Implementation of linked lists.
- A program that searching for Java code errors by implementing RB-Tree data structure.

- Implementation of Decision Tree algorithm.

Python projects that I made 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:

- *A web user interface which add, update, remove and search for inventory items using H2 DB.*

- *I've built a vending machine based on Arduino.*

Professional Experience:

2018-2019: Tavor economics and finance

- Business analysis.
- Writing business plans.
- Valuation of companies.
- Market analysis.
- Analysis and valuation of projects.
- Etc.

2014-2017: Bezeq – Customer Support

2011-2013: Alut

2009- 2010: Director of Operations -ADCP Inc (USA)

- Defining the Company's goals and strategy.
- Build a marketing plan.
- Market analysis.
- Bookkeeping using the QuickBooks software.
- Setting goals and ensuring full execution.
- Creating orientation program and protocols.
- Establishing sales and customer support call center, supervising the customer relations.
- Supervising the logistics.

Military experience:

Combat soldier in Engineering brigade in IDF.