

# Ohad Afriat - Software Engineer

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## PERSONAL INFO

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Motivated Computer and Electrical Engineer with a passion for Computer Science. Proficient in C#, Python, C/C++, JavaScript/TypeScript, React, Node.js, Java and more.

Fast learner, team player, dedicated problem-solver who love to code and develop.

Seeking a Software development position to enhance skills in Full-stack and Back/Front-end technologies.

Excited to work together in creating outstanding user experiences and developing reliable software solutions.

## EDUCATION

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### Ben-Gurion University

Israel

*B.Sc. in Electrical and Computer Engineering - Specialized in Computer Science.*

2018 – 2022

## PROJECTS

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### Embedded Software

*Tools : Python, C/C++ and Assembly.*

- Implemented Joystick on drawing board (Developed GUI with Python) and manual control of Motor-Based machine.
- Implemented communication between a PC and an MSP430 controller using a UART module.

### Verification

*Tools : Python and Verilog.*

- Implemented a Stimulus, Coverage, Golden Model and Checker on DUT with parity bit algorithm.

### CPU Architecture

*Tools : VHDL.*

- Implemented full pipelined MIPS CPU architecture(RISC).

## COURSES

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### Ben-Gurion University Courses | *Python/Pytorch, C/C++ and Assembly.*

- Computer Science - grade 97.
- Introduction to Deep Learning – grade 91.
- Logic systems – grade 88.
- Introduction to Computers – grade 89.
- Digital design and logical synthesis – grade 84.

## EXPERIENCE

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### Tutor

Oct 2020 – Oct 2023

- Tutor: Computer Science, Programming, Math, and Physics.
- Teacher at Hai.Tech.

### Army Experience

- Combat Soldier and Commander in Golani unit.

## TECHNICAL SKILLS

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**Programming Languages:** Python, C# , JavaScript/TypeScript, C/C++, Java, Dart, MATLAB.

**Frameworks:** React, Node.js.

**Markup & Style Sheets Languages:** HTML/CSS, LaTeX, XML.

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm.

**Programing Foundations:** Linux, OOP, AI - Deep Learning.

**Libraries:** PyTorch, pandas, NumPy, Matplotlib.

**Hardware:** Assembly , Verilog, VHDL.

**Languages:** English , Hebrew.