

Ohad Afriat - Software Engineer

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PERSONAL INFO

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

Ben-Gurion University

Israel

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

2018 – 2022

PROJECTS

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

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

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

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

Frameworks: React, Node.js.

Markup 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.