



Tomer Cigler

Skilled programmer in multiple programming languages. High technical abilities in many fields beyond my Computer Science course of study. A creative problem solver, outside of the box thinker, and an adaptable engineer. Knowledgeable in different fields, from embedded firmware to high-level Object-Oriented Programming and design.

C++

C

C# / .NET

Java

Python

Linux / Bash

Git

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Education

2015-2019: B.Sc in Computer Science

Tel-Hai Academic College
graduate
Dean's List on first year,
90.57 GPA.

Army

2011-2014: 533 Unit, Air Force

First Sergeant rank, Class A Technician. Commander of the Liaison and Communications Department. Currently an active reservist.

Languages

Hebrew: Native
English: Excellent

Work Experience

- **2020-Today: Software Engineer at Microsoft**

- Designed and implemented major features for Azure Marketplace products.
- Backend development - C#
- Working with Azure services: App service, Cosmos database, Key vault, Storage account, Azure active directory.

- **2018-2020: Firmware Developer at Mellanox Technologies**

- Designed and implemented many major features for the NIC HCA core firmware and verification environment.
- Holistic understanding of networks, network protocols (Ethernet, InfiniBand, RoCE), architectural hardware and firmware design of the NIC (data path, control path).
- Fluent in the technological stack required (frameworks, specialized tools, environments, platforms).

- **2016-2018: Instructor at Cyber Education Center (Magshimim) - a project of the Prime Minister's Office, Ministry of Education, Ministry of Defense and Israel National Cyber Bureau**

- Taught Intro to Computer Science (C), Advanced topics in Object-Oriented Programming (C++).

- **2016-2018: Computer Science Private Tutor**

- Hundreds of tutoring hours in the following subjects: C, C++, Java, Calculus 1 & 2, Physics 1 & 2, Mathematical Logic, Intro to System Programming, Linear Math, Digital Systems and Logic Design.

- **Several projects including:**

- *Handwritten Digit Recognition Based on Principal Component Analysis* - Machine learning process using PCA. Implemented in C# with emphasis on easy-to-use API. Involved: back end and front end, statistical methods, complex data structures and algorithms to achieve runtime complexity efficiency.
- *Student routine* - Dedicated calendar for students. Implemented in C# with an emphasis on architecture, design and documentation. Included: back end and front end, serialization and deserialization of objects, heuristic algorithms, data structures ensuring quick retrieval of data during many queries.