

# Anna Novin

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I am a recent graduate with BSc in Computer Science from Technion with a strong research background and keen interest in Cyber Security and Artificial Intelligence. I am actively seeking a full-time position and am enthusiastic about the opportunity to make meaningful contributions to a dynamic team.

## EXPERIENCE

**Student Software Developer**, Rafael Advanced Defense Systems

January 2023 - Present

Developed a comprehensive end-to-end FFmpeg based system that examines a variety of stills and videos compression and decompression in a convenient way as part of the computer vision team.

## SELECTED ACADEMIC PROJECTS

**Project in Artificial Intelligence**, supervised by Shaul Markovitch

Presented an innovative initialization method for optimal subset selection problem, by assessing elements contributions to the subset's objective. This method involved using two algorithms: one assesses elements individually, and the second, more advanced, considers interdependencies and patterns in subsets for calculating element contributions.

**Project in Cyber Security**, supervised by Amichai Shulman, nominated for Excellent Project Award

Implemented a PoC of a super resilient C&C two-way communication based on public infrastructure in a cost-effective way. The C&C is based on comments on Reddit content and is extremely difficult to detect and very hard to dismantle.

**Project in DNA Data Storage**, supervised by Omer Sabary and Gadi Chaykin

Built and integrated a Maskless Array Synthesis simulator into an existing DNA synthesis simulator. The simulator provides a cost-effective alternative to physical MAS synthesis, making it a valuable tool for advancing research in DNA data storage.

## EDUCATION

**BSc in Computer Sciences**, Technion - Israel Institute of Technology (GPA 80)

2023

## SKILLS AND TECHNOLOGIES

Python, Selenium, Numpy, Sklearn, C++, Linux, Docker, FFmpeg, Git, PyQt5, Qt Designer, Wireshark, Scapy

## MILITARY SERVICE

**Cyber and Intelligence Product Manager**, 8200 Unit, IDF

2015 - 2016

Led and coordinated single-team and multi-team projects in the cyber field, with expertise in developing and executing strategic initiatives.

**Head of Intelligence Production Department**, 8200 Unit, IDF

2014 - 2015

Commanded and managed two intelligence production teams. The department objective was to process, analyze and present information in technologies, communication, and cyber fields.

**Analyst in Intelligence Production Team**, 8200 Unit, IDF

2012 - 2014