

Yishayahu “Shai” Natapov

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About

Fourth-year Technion Computer Engineering student. I am very passionate about designing good products, whether software or hardware. I get along great with everyone and enjoy working with others.

Education

2020-present

B.Sc Computer Engineering Technion Institute of Technology

- Currently in the 7th semester
- Majoring in Programming Languages and Signal Processing
- Current project: MIDI Sequencer with Assistive Composition Features [[Github](#)]

2012-2015

Leo Baeck High School.

- Electives: Computer Science, Physics, and Philosophy
- Full Bagrut certificate

Military Service

2015-2018

Combat medic in the “Harayot Hayarden” battalion

Technical Experience

By Programming/HDL Language:

C/C++: First end of degree project [[Source and Pictures](#)]

- A fully featured MIDI Sequencer
- The project was my idea
- A standalone windows application
- Uses DearImgui and XAudio2 libraries for UI and sound

SystemVerilog: Developed a game on an FPGA chip

- As part of the course “EE Lab A”
- Included interfacing with graphics and sound hardware
- Final grade 95

Jai: A currently unreleased systems programming language intended to replace C++

- A member of the language’s closed beta
- Have used it on various [personal projects](#)

Additionally, I’ve programmed in **x86 assembly**, **Python**, and **Bash**

Other Work Experience

2018-2019

Trip security guard and medic, Bitachon Hatzafon

- Responsible for the security and health of large groups of people
- Worked with people of various ages and backgrounds

2019-2020

Cashier, Tsomet Sfarim

Additional Skills

- Fluent in English and Hebrew. Speak fluently in Russian
- Proficient in both Linux and Windows development environments