

Raz Karl

www.razkarl.com

Engineer by mind, designer by heart, problem-solver by nature.
Looking to join a team of A+ players and work across disciplines to design and develop projects that impact our lives and planet in meaningful ways.

EXPERIENCE

JSOF — Software Engineer And Server Architect

AUGUST 2018 - PRESENT

- Designed and implemented a novel user interface for dynamic instrumentation (FRIDA, NodeJS, HTML, CSS, JS, JQuery)
- Designed and implemented a secure server for a cybersecurity infrastructure (Python, JS, C, C++, Android, Linux)

TripleP — Python Course Instructor

OCTOBER 2017 - JULY 2018

- Instructed a 10 months college-level Python programming course

IDF Cyber Security Unit (Matzov) — Software Developer

APRIL 2013 - APRIL 2016

- Implemented networking protocols, hardware interfaces, and infrastructure modules for secure network appliances in C/C++
- Developed hardware simulation tools for embedded systems using Python (Scapy)
- Python course instructor at Matzov's training school

IDF Cyber Security Unit (Matzov) - Hackathon Producer

JANUARY 2014 - APRIL 2016

- Initiated, designed, and produced "Robotzov" - an annual Cyber-Robotics competition between elite IDF tech units (Arduino, RPi, Linux, C++, Python, Java, Android, OpenCV)

EDUCATION

Bezalel Academy B.Des Industrial Design

OCT 2018 - PRESENT

Parametric Design, Digital Fabrication, Smart Products (GPA 92.7)

Hebrew University B.Sc Computer Science

OCT 2016 - JUN 2019

Image Processing, Human-Computer Interaction, Artificial Intelligence, Cryptography, Computer Graphics, Natural Language Processing
Graduated magna cum laude (GPA 91.3)

IDF Cyber Security Unit (Matzov)

Secure Embedded Software Development MAY 2013 - SEP 2013

Completed with the highest ranking in my class

Maccabim-Re'ut Mor High school

Physics, Computer Science, Robotics, Fine Arts SEP 2007 - JUN 2012

Accelerated math program (Bar Ilan) - Completed math at age 15
Graduated summa cum laude (GPA 116.9)

CONTACT

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Jerusalem, Israel

SKILLS

Leadership, Teaching,
Robotics, Electronics, Digital
Fabrication, Network
Security, AI, HCI, NLP,
Computer Graphics, Image
Processing, C/C++, Python,
Linux, Git, Onshape,
Solidworks, Rhino+GH,
Photoshop, Illustrator,
Keyshot, Drawing

AWARDS

Scholarship Winner

1 year of studies for academic
excellence
Hebrew University, 2016

Best Young Mentor Award

Personal achievement at FLL Open
European Championship
(Robotics)
Paderborn, Germany 2013

Ranked 2nd Internationally

Team achievement at FLL
Open European
Championship (Robotics)
Paderborn, Germany 2013

Scholarship Winner

1 year of academic studies as a
Dean's list finalist at FIRST
Robotics Competition
Technion, 2012

IOI Israel Finalist

International Olympiad in
Informatics, Ranked top 30 in
Israel, 2012

LANGUAGES

Hebrew (Fluent)
English (Fluent)
Japanese (Beginner)