

# HILA BEN YAIR

## MECHANICAL ENGINEER

### CONTACT

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### CAREER OBJECTIVE

I'm a motivated Mechanical Engineering graduate with expertise in research, instruction, and academics. I have strong communication and organizational skills, and I'm eager to contribute to a research and development role to enhance business performance and efficiency.

### EDUCATION

2023

**B.Sc. in** Ben-Gurion University. GPA 80

2023

**Technology Business Plan Project** McGill University

June 2016

**Full matriculation, a scientific trend** Makif Tet

10 Units of Mechatronics and Robotics. 5 units of Physics, • Mathematics, and English.

January 2016

**Talented Youth in Mathematics Program** Bar Ilan University

### FINAL PROJECT

Model development for a PCM heat exchanger in crossflow with Prof. Gennady Ziskind in BGU with Rafael.

### MILITARY SERVICE

2016 - 2018

ERP System operator, Shayetet 13, Navy

### EXPERIENCE

February 2022 - Present

#### Application & Tech Engineer

Stratasys

- Working in R&D at the Business Unit of Stratasys
- Printing quality research, application projects, taking part as the system engineer of projects, multidisciplinary, etc.
- Optimized existing applications by improving performance and scalability.

June 2018 - September 2019

#### Math Teacher

Bar Ilan University

- At "Talented Youth in Mathematics Program", teaching mathematics lectures to 8th graders in the accelerated three-year track.
- Building tests, homework, and assignments for students.
- Encouraged critical thinking skills through problem-solving activities.

January 2014 - Present

#### Tutor

- Teaching Math and Physics from 1st till 12th grade.
- Evaluated student performance through quizzes, exams, and projects.

### SKILLS

- Programming Language: C
- Software: Matlab, Solidworks, ERP
- Certification - Power BI Data Analyst, Microsoft

### VOLUNTEER EXPERIENCE

January 2020 - Present

#### Speakers Community Manager | WE - Women Entrepreneurship

- As a graduate of the program, I volunteered as the Program Manager at Ben Gurion University, and now as the Speakers' community manager of the organization. Assisted in developing processes for effective community management.

November 2018 - Present

#### Member | TLI

- Participation in the "Triumph Leadership Mission" and the "Bring Israel Home" projects.
- Taking part as a volunteer in the strategy team of the organization.

### COMMUNITY SERVICE

September 2022 - July 2023

#### Scholarship | Elbit

- "Babushka" project – scholarship for women students in engineering to teach young women Math and Physics.

December 2022 - December 2022

#### Hackathon Winning | Bazan Group

- 3rd place winning Hackathon – "CO2morrow", to find a solution for uses of CO2 pollution to cut emissions.

September 2015 - July 2016

#### Student Research | Nahal Sorek Nuclear Center

- Participation in a study by Dr. Avichai Spitsikino.
- Participation in the study of Mechanical Engineering about the concentration of efforts in materials.