

GABRIEL AZULAY

MECHANICAL ENGINEER

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Education

Technion - Israel Institute of Technology

2015 – 2021

BSc in Mechanical Engineering

Haifa, Israel

Courses

- * "A Hands-on Introduction to Engineering Simulations", edX course from Cornell University about FEA and CFD
- * "CS50's Introduction to Programming with Python", edX course from Harvard University
- * "Introduction To MATLAB Programming", MIT OpenCourseWare Courses
- * "Project Management Foundations", LinkedIn Learning Courses

Relevant Coursework

- Fluid dynamics
- Heat transfer
- Thermodynamics
- Propulsion
- Energy systems

Experience

R&D Thermodynamics Engineer

2022 – Present

Electra Consumer Products Ltd

Rishon Letzion, Israel

- * Developing smart HVAC solutions and equipment in the R&D lab.
- * Operating the system, tracking the experiment and modifying the conditions as needed.
- * Recording and filling out test reports, analyzing the results and drawing conclusions.
- * Testing the system's performance and formulating proposals for its improvement.

Mechanical Engineer and Co-founder

2021 – 2022

DSTM

Jerusalem, Israel

- * Developed and designed a machine in the food-tech field.
- * Performed experiments to examine and improve the quality of the product.
- * Provided a detailed inventory of the machine's components and presented the project to potential investors.

Computer Skills

Programming languages: Python, Matlab, C

CAD softwares: SOLIDWORKS

Fluid and thermal simulations softwares: ANSYS, OpenFOAM/Paraview

Additional Skills

Strong ability to adapt to complex and challenging environments, high learning capability, broad system-wide vision, logical thinking, analytical ability, high dedication and personal responsibility, teamwork, and excellent interpersonal relations.

Volunteering

Teacher and Lab assistant

2020 – 2020

Ibn Gabirol Jewish School of Madrid

Madrid, Spain

Tutor

2017 – 2018

Matnas Neve Yosef

Haifa, Israel

Coordinator and Founder

2016 – 2021

Technion Spanish Speakers Society

Haifa, Israel

Team leader and Co-founder

2009 – 2011

Yajad CJM - Youth Movement of the Jewish Community

Madrid, Spain

Languages

• **Hebrew**
Bilingual proficiency

• **Spanish**
Native proficiency

• **English**
Full professional proficiency

• **French**
Full professional proficiency