

# Adam Yanai

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## EDUCATION

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### Boston University

B.S. in Computer Engineering

Expected May 2026

## EXPERIENCE

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### BU College of Engineering

Ambassador for Technology Innovation Scholars Program

September 2023 - Present

- Mentor young students in engineering-related subjects (circuits, physics, programming, etc.) and promote the importance of a 'societal engineer'.

### BU Engineering Product Innovation Center

Lab Student Leader

September 2023 - December 2023

- Entrusted to lead and coordinate tours of the space for about 20 engineering students at a time.
- Guided students with projects for advanced mechanical engineering courses and research groups.
- Led a subtractive manufacturing workshop for engineers using manual mills.

Lab Assistant

January 2023 - September 2023

- Learned to work with mills, lathes, laser cutters, 3D printers, etc., and demonstrated knowledge through manufacturing projects.
- Taught mechanical concepts and skills to students working on personal, course-related, and research-based assignments.

## PROJECTS

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### Computerized Truss Analysis

November 2023

- Created MATLAB script to analyze the internal forces of a truss design and approximate production costs based on the members and applied loads.

### Applications of Artificial Intelligence in Creative Problem Solving

May 2023 - June 2023

- Conducted a study to test ChatGPT's creative problem-solving abilities and presented findings at the 'Life, Structure, and Cognition' conference at the Institute of Advanced Scientific Studies at the University of Paris-Saclay, France.

### Temperature Monitor

January 2023 - May 2023

- Designed and developed a digital thermometer through CAD modeling & 3D printing, circuit planning, soldering, and programming.

### Study of Correlation Between Human Development Index and Obesity Rates

December 2022

- Created MATLAB script to scrub through data sets, extract and present desired values, and predict future rates using the machine learning feature.

## ADDITIONAL SKILLS

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**Programming:** Python, MATLAB, C, HTML, and CSS | **Design:** Onshape, Solidworks, Unity, Adobe Cloud Applications, etc. | **Languages:** English, Hebrew

## AWARDS & ACTIVITIES

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BU First-Year Success Office Art Commission

July 2023

- Selected to create a large artwork for the FYS space at Boston University.

"Best Freshman" in the BU College of Engineering Portfolio Contest

April 2023

- Designed an interactive and interdisciplinary portfolio website to showcase both academic and artistic work.

LLS New England 5k Club

March 2021

- One of eight to receive this award for raising \$6,000 in support of research for leukemia, lymphoma, Hodgkin's disease, and myeloma.

Treasurer for the Global Engineering Brigades chapter

April 2023 - Present

Innovate@BU First-Year Innovation Fellowship

September 2022 - May 2023