



Ethan Katz

Student with computer and technology skills as well as high-tech experience in Tel Aviv.

Tel Aviv, Israel

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Professional Skills

- Robotics
- HTML
- CSS
- 3D CAD / Printing
- UNIX
- Jira
- Confluence
- Troubleshooting

Personal Skills

- Organized
- Time Management
- Fast Learner
- Motivated

Languages

English

Hebrew



Work Experience

Fabric / V&V Internship

September 2021 - June 2022

Worked with a team to test, debug, and fix robots for autonomous micro fulfillment centers in Israel and in the United States. Worked at the System Integration Center and with the V&V team.

Roboteam / Internship

September 2020 - May 2021

Worked with team of engineers to build and repair robots used by militaries worldwide. Worked with the quality control team to test the parts for the robots. Spent two months working in inventory and warehouse management.

Farber Hebrew Day School / Robotics

2016 - 2020

Obstacle avoidance quadropod

Developed and coded a functional 4 legged robot in Arduino. Each of the legs was developed with 3 joints utilizing an ultrasonic ping sensor to detect walls and other obstacles.

Maze Finder

Worked within a team of 3 to design, build and troubleshoot an Arduino run bot with the goal of finding its way through a maze utilizing premade chassis and off parts combined with ultrasonic ping sensors.

Enhanced Useless Machine

Designed and developed an Arduino run robot with a lever that when activated the arm resets the lever back to its starting position. The engaging part of this project was programming the lever to self retract into a box disallowing the user to activate it.

Magic 8 Ball

Using Arduino and 3D modeling I designed and developed code which acted as a basic gyroscope to alert the system when shaking occurred.

Camp Stone / Director of Technology

Summer 2019

Worked with all technological aspects of the summer camp. In charge of the deployment and operation of audio/video systems. Managed camp computers and other devices. Responsible for tech support and maintenance of all camp equipment.



Education

Reichman (IDC) University

Graduate in 2025

BA in Interactive Communications with a focus on UX/UI. This program provided comprehensive training in user experience and user interface design, emphasizing the importance of user-centered design principles, usability testing, and interactive media.

Torah Tech

August 2020 - June 2022

Gap-year program in Israel that integrates intensive Torah study with professional development through business and tech internships.

Oakland Community College

May 2021 - December 2021

College - Undergraduate

Michigan Virtual / HTML + CSS Course

August 2017 - January 2018

Completed a semester long interactive course learning HTML and CSS during which I gained hands on experience in front end web development.

Farber Hebrew Day School

2016 - 2020

High School