

Yon Maor

Electrical/Computer Engineering Student



yonmaor.com



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EXPERIENCE

STEALTH MODE STARTUP COMPANY | MANUFACTURING ENGINEERING INTERN

Summer 2021, 2022 | Newark, CA

- Automated equipment bring up, calibration, and qualification using python and powershell
- Automated document control processes using python and XML
- Designed and piloted framework for engineers to build custom GUIs using Flask, jinja, and JSON
- Designed and fabricated circuits for safety components
- Replicated and documented calibration equipment, drafted purchase and manufacturing requests

MAKEX PALO ALTO | SENIOR MENTOR

Oct 2017 - June 2020 | Palo Alto, CA

- One of six mentors who staffed the Makerspace and taught guests how to use tools and software.
- Selected to represent MakeX as a Panelist at Maker Faire bay area 2019
- Secured \$13K in funding through presenting impact reports to Palo Alto city board
- Built and maintained the Makerspace's tools and space
- Redesigned and maintained website (makexpaloalto.com).

PROJECTS

CAMPER VAN CONVERSION | GAP YEAR PROJECT

2020

- Converted old cargo van into livable camper
- Designed off-grid 12V system, with solar and alternator charging
- Insulated and floored the van, built and designed bed, cabinets, counter top, etc.
- Lived in my van and travelled around the US for about 6 months

GUNN AERO TARC ROCKET | PRESIDENT

Mar 2018 - June 2020 | Palo Alto, CA

- Led airframe, mechanical, and avionics design of the competition rocket
- Invented a new way to eject model rockets at a variable altitude; Designed Teensy shield avionics, soon to be commercially available.
- Recruited team members, organized meetings and events, coordinated launches

GUNN ROBOTICS TEAM | MECHANICS LEAD

Aug 2018 - June 2020 | Palo Alto, CA

- Led 12-person CAD team in Mechanism design
- Created dimensioned drawing; Integrated controls, drive train, and pneumatics into mechanisms
- Machined on mill and lathe, bandsaw, and belt sanders, and used hand tools such as drills and impact drivers, rivet guns, and more.

SKILLS

PROGRAMMING

Proficient:

Python • JavaScript • p5.js

Familiar:

Java • Shell • Processing
Arduino • LaTeX • HTML/CSS

MECHATRONICS

SolidWorks • Inventor
Grasshopper • KiCAD

FABRICATIONS & PROTOTYPING

3D Printing • Laser Cutting •
CNC Machining
Manual Milling & Turning •
Hand Tools

EDUCATION

CARNEGIE MELLON UNIVERSITY

BACHELOR'S IN ELECTRICAL &
COMPUTER ENGINEERING

Jan 2021 - Present | Pittsburgh, PA

Relevant Coursework:

- Intro to Electrical/Computer Engineering (18-100)
- Electronic Devices and Analog Circuits (18-220)
- Concepts of Math (21-127)
- Rapid Prototyping Technology (15-294/394)
- Intro to Programming (python) (15-112)
- Intro to Imperative Computing (c) (15-122)
- Probability Theory (36-219)

Cum. GPA: 4.0 / 4.0

REFERENCES

References available upon request