

Yon Maor

Electrical/Computer Engineering & Art Student



yonmaor.com



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(650) 796-2885

EXPERIENCE

TEACHING ASSISTANT | 15104 INTRO TO CREATIVE CODING

Fall 2022, 2023 | Pittsburgh, PA

- ~ 100 person introductory programming course teaching javascript
- Ran lab and office hours for approx. 20 students several times weekly

MANUFACTURING ENGINEERING INTERN | ULTIMA GENOMICS

Summer 2021, 2022 | Newark, CA

- Designed and fabricated electronic systems for safety and control applications
- Designed and piloted framework for engineers to build custom GUIs using Flask, jinja, and JSON
- Built GUIs and TUIs to automate equipment bring up, calibration, and qualification using python, Flask, and powershell

SENIOR MENTOR | MAKEX PALO ALTO

Oct 2017 - June 2020 | Palo Alto, CA

- One of six mentors who staffed the Makerspace and taught guests how to use tools and software.
- Secured \$13K in funding through presenting impact reports to Palo Alto city board
- Built and maintained the Makerspace's tools and space

PROJECTS

WEB LEAD, DEVELOPER | LUNAR GALA

Nov 2022 - Present | Pittsburgh, PA

- Lead concept building, design, and development of experimental website
- Managed team of 9 designers and developers, communicated with creative directors and other creative team leads
- Designed and prototyped using Figma, implemented via javascript, react, p5, and three.js
- 2023 show: 2023.lunargala.org
- 2024 show: in progress

RESEARCH ASSISTANT | BIOHYBRID AND ORGANIC ROBOTICS GROUP

August 2023 - present | Pittsburgh, PA

- Designed and implemented a multi-user GUI for real time control and monitoring
- Designed and prototyped using Figma, implemented using python Flask, openCV
- Sole designer and developer responsible for the GUI, having to come create my own schedule and communicate deliverables with the researchers

CAMPER VAN CONVERSION | GAP YEAR PROJECT

2020

- Converted old cargo van into livable camper
- Designed off-grid 12V power 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 8 months

SKILLS

PROGRAMMING

Proficient:

Python • JavaScript • p5.js

Familiar:

C • Shell • Arduino

L^AT_EX • HTML/CSS

DESIGN

SolidWorks • Inventor • KiCAD
Figma • Grasshopper • Maya

FABRICATIONS & PROTOTYPING

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

EDUCATION

CARNEGIE MELLON UNIVERSITY

BACHELOR'S IN ELECTRICAL
COMPUTER ENGINEERING & FINE ART
Jan 2021 - Present | Pittsburgh, PA

Relevant Coursework:

- Electronic Devices and Analog Circuits (18-220)
- Power Systems (18-372)
- Rapid Prototyping Tech (15-294/394)
- Soviet Futures: Revolutionary Design (Russian Language and Culture)
- Stalin and Stalinism (History)
- Possiblistic Design
- Drawing with Machines (Art)
- Small Things (Art)

GPA: 3.8 / 4.0

REFERENCES

References available upon request