

Yon Maor

Artist + Engineer



yonmaor.com



yonmaor1



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yonmaors@gmail.com



(650) 796-2885

EXPERIENCE

TEST ENGINEER | SQUARE INC

August 2025 - Present | Pittsburgh, PA (remote)

- rebuilt, modernized, and rolled out custom full-stack testing framework application
- Built and brought up hardware security processes
- Ideated and built custom web-based data access app
- Authored data reviews

WEB LEAD, DEVELOPER | LUNAR GALA

Nov 2022 - Mar 2024 | 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: 2024.lunargala.org

RESEARCH ASSISTANT | BIOHYBRID AND ORGANIC ROBOTICS GROUP

Aug 2023 - May 2024 | Pittsburgh, PA

- Designed and implemented a multi-user GUI for real time control and monitoring
- Self-led the GUI development

MANUFACTURING ENGINEERING INTERN | ULTIMA GENOMICS

Summer 2021, 2022 | Newark, CA

- Designed and fabricated electronic systems for safety and control applications
- Built GUIs and TUIs to automate equipment bring up, calibration, and qualification

TEACHING

TEACHING ASSISTANT | 15104 INTRO TO CREATIVE CODING

Fall 2022, 2023, 2024 | Pittsburgh, PA

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

RESEARCH ASSISTANT | STUDIO FOR CREATIVE INQUIRY

2024 | Pittsburgh, PA

- Built open-source creative coding APIs for hardware used to teach creative computing
- <https://github.com/golanlevin/p5-flipdots>
- <https://github.com/golanlevin/p5-littleBits>

TEACHING ASSISTANT | 18202 MATHEMATICAL FOUNDATIONS OF ELECTRICAL ENGINEERING

Summer 2023 | Pittsburgh, PA

- Built interactive data visualizations to communicate course concepts
- <https://www.andrew.cmu.edu/course/18-202/demos/>

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