Yon Maor

Artist + Engineer

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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 couse concepts
- ➔ https://www.andrew.cmu.edu/course/18-202/demos/

Skills

PROGRAMMING

Proficient:
Python • JavaScript • p5.js

Familiar:
C • Shell • Arduino
LaTeX• 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 - May 2025 | Pittsburgh, PA
Relevant Coursework:
- EE Foundations (Circuits, Signals, Analog Systems, Computer Systems)
- Power Systems (18-372)
- Photovoltaic Systems (18-865)
- Machine Learning for EE (18-661)
- Rapid Prototyping Tech (15-294/394)
- Probability Modeling (36-410)
- Soviet Futures: Revolutionary Design (Russian Language and Culture)
- Stalin and Stalinism (History)
- Possiblistic Design
- Drawing with Machines (Art)

GPA: 3.8 / 4.0

References

References available upon request