

Emmanuel Lugo

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EDUCATION

Carnegie Mellon University

Bachelor of Fine Arts with Honors

- Concentration in Electronic & Time-Based Media
- 2024 Ken Meyer Professional Studio Development Award | School of Art Award | Frank-Ratchye Further Fund

Aug 2020 - Aug 2024

Pittsburgh, PA

EXPERIENCE

Teaching Assistant

Carnegie Mellon University, Intermediate Studio: Creative Coding & Intermediate Studio: Generative AI

- Writing lectures, having 1:1 mentoring with students and grading work related to generative new media art
- On 3 occasions of being a Teaching Assistant for Professor Golan Levin, I have taught students TouchDesigner from first principles to creating an interactive piece of software
- Developed software in ComfyUI for students to take apart and reinterpret

Aug 2023 - Dec 2023

Aug 2024 - Present

Pittsburgh, PA

Design Technology Intern

Punchcut

- Creating data visualizations for internal user research in D3.js & Apache Echarts
- Prototyping internal and client facing user interfaces in [Next.js](#)

May 2025-Present

Remote

Physical Computing Intern

Carnegie Mellon University, Sculpture Department

- Repair, maintain, and upgrade the physical computing spaces, and machinery such as 3D printers, laser cutters, and CNC machines
- Administer training and information sessions for digital fabrication facilities

Aug 2024 - May 2025

Pittsburgh, PA

Creative Technology Intern

Deeplocal

- Optimized TouchDesigner projects incorporating body tracking and shader visualization for large scale, interactive media presentations
- Developed frontend React and Next.js applications for the Raspberry pi

May 2023- Aug 2023

Pittsburgh, PA

Project Assistant

Entertainment Technology Center

- Rigged, modeled, and textured 3D assets for educational AR/ VR events and applications held in Pittsburgh public schools and classrooms
- Capturing and cleaning photoscans of the ETC building, and compiling them into Unity for a web-based VR tour

Jan 2022 - Aug 2024

Pittsburgh, PA

SKILLS

TouchDesigner · Node.js · React.js · [Three.js](#) · Data Visualization · ComfyUI · GLSL · Maya · Blender · Git · CAD · 3DPrint · Houdini · Unity · p5.js · Motion Capture · Projection Mapping · Adobe Creative Suite · 3D printing · CNC · MS Excel · Sewing/Textile work · Stop Motion Animation