

Emmanuel Lugo

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EDUCATION

Carnegie Mellon University

Bachelor of Fine Arts with Honors

Aug 2020 - Aug 2024

Pittsburgh, PA

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

EXPERIENCE

Physical Computing Intern

Carnegie Mellon University, Sculpture Department

Aug 2024 - Present

Pittsburgh, PA

- 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

Creative Technology Intern

Deeplocal

May 2023 - Aug 2023

Pittsburgh, PA

- 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

Teaching Assistant

Carnegie Mellon University, Intermediate Studio: Creative Coding

Sept 2024 - Present

Sept 2023 - Dec 2023

Pittsburgh, PA

- Compiling an audio-visual project curriculum to introduce TouchDesigner as a performance and cross-media tool
- Facilitating class discussion and critique surrounding computational art

Project Assistant

Entertainment Technology Center

Jan 2022 - Aug 2024

Pittsburgh, PA

- 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

Research Assistant and Facilities Monitor

Studio for Creative Inquiry

Aug 2021 - May 2024

Pittsburgh, PA

- Archiving the Studio's paper and media archive of funded projects to a digitized organizational system
- Monitoring the space at night and facilitating events/talks about the studio's initiative and open source projects, such as PEmbroider

SKILLS

TouchDesigner · Node.js · React.js · Three.js · ComfyUI · GLSL · Maya · Blender · Git · CAD · 3DPrint · Houdini · Unity · p5.js · Motion Capture · Projection Mapping · Adobe Creative Suite · Woodworking · CNC · MS Excel · Sewing/Textile work · Stop Motion Animation