

YONATAN ROZIN

INTERACTIVE TECHNOLOGIST, EDUCATOR

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EDUCATION

MPS | NYU Tisch – Interactive Telecommunications Program (ITP)

SEPT 2020 – MAY 2022

- Relevant coursework: Physical Computing, Computational Media, Video & Sound, Fabrication, Interaction Design
- Multiple installation presentations in semi-annual student showcases

BM – Percussion Performance | Johns Hopkins University - Peabody Institute

SEPT 2016 – MAY 2020

- Dean's List

EXPERIENCE

Lead Creative Technologist | Kat Mustatea Studio

JAN 2023 - PRESENT

- Designing and developing the bespoke interactive digital instrument and modular wireless network for a live multimedia theater work, securing over \$20,000 in grant funding.
- Communicating frequently with client and performers to refine aesthetic properties and maximize usability. Implementing frequent and rapid changes throughout high-intensity development periods.
- Handling show controls, projected visuals and sound board during public performances.
- Tech used: HTC Vive Trackers, Node.js, Python script, QLab, frontend UI built with React-TypeScript and custom-made audio synthesis software based on Pink Trombone
- Guthman Musical Instrument Competition finalist, current Lumen Prize Interactive/immersive category finalist.

Production Intern | Harvestworks

AUG 2024 – PRESENT

- Assisting with installation, troubleshooting and maintenance for a weekly rotation of multimedia installations.
- Installations involve use of power tools, lifting/moving of 50+lb materials, soldering, setup of multi-device audiovisual systems, following written instructions/documentation

Adjunct Instructor | NYU – Interactive Telecommunications Program (ITP)

JAN 2024 – MAY 2024

- Taught “Connected Devices and Networked Interaction”, a 14-week introductory, graduate-level course about IoT devices and protocols with a class of 16 students, 60% of whom were ESL.
- Offered frequent one-on-one office hours to students for technical project assistance. Provided prototyping assistance with troubleshooting, programming optimization and drafting hardware/software network architecture.
- Course topics: IoT protocols (HTTP, MQTT, OSC, BlueTooth LE), Node.js, TCP/IP, cloud hosting services, network architectures, microcontrollers, Raspberry Pi

Research Resident & ITP Website Frontend Developer | NYU – ITP

AUG 2022 – AUG 2023

- A 1-year residency offered to a limited selection of NYU-ITP graduates. Residents assist with departmental needs and receive financial support in the development of their own creative practice.
- Worked on the resident- and student-run development team of the new public-facing ITP website with hundreds of monthly visitors, which displays up-to-date info including news, events and resources. Created thorough documentation to assist future development.
- Assisted with a course about creating musical instruments, including workshops, one-on-one technical assistance for students and audio setup for live rehearsals and performances.

SKILLS

- Front-end (HTML, CSS, JS/TS, React)
- Back-end (Node.js, cloud hosting, IoT protocols)
- Embedded systems (Arduino, Raspberry Pi, ESP32)
- Python, C++, intermediate Java
- Electronics, circuitry, soldering
- Fabrication (laser cutting, 3D printing, power tools)
- Real-time multimedia (TouchDesigner, Max/MSP)
- Visual Coding (P5, THREE.js, OpenFrameworks)
- Creative problem-solving, troubleshooting
- Task & Detail-oriented
- Effective Communication
- Adaptability, learning new skills/tools
- High-pressure performance + time management
- Teaching/Instruction