

Mark Grossmann

Web Programmer, Audio Technician, Composer, Educator.

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Projects

Movement: mark-grossmann.github.io/movement/ A reimagining of William Kolomyjec's 1977 "Random Squares." Integration of animation in p5.js and the Web Audio API.

warpSquares: mark-grossmann.github.io/warpSquares/ Procedurally generated images on html canvas

Hyper Focus: mark-grossmann.github.io/hyperFocus/ Multi-channel audio processing built in Max/Msp

Relevant Experience

Sep 2019 – Present:

Tutor – NYU Music Technology Department:

- Scope and organization of projects
- User interface design
- Audio reactive video processing using jitter and Max/Msp
- Custom audio processing, interface, and automation in Ableton via Max4Live
- OpenGL integration in Max/Msp
- Analog sound synthesis - Buchla 100, MOTM unit, Putney, Minimoog, MS-20, etc.
- Music production in Ableton Live

Sep 2019 – Feb 2020:

Studio Technician – NYU Music Technology Department:

- Taught professors and students the signal flow, equipment, usage of NYU's studios.
- Repaired and soldered broken equipment & cables.
- Installed studios and performances spaces from scratch: preparing rack gear, making audio cables, snakes, and power cables of the correct type and length.
- Weekly board calibration and maintenance of the studios

Jul 2019 – Aug 2019:

Teaching Assistant – NYU Music Technology: Summer Electronic Music Institute:

- Taught and managed 20 high-school students in an NYU Music Technology primer.

Jan 2019 – Aug 2019:

Media Intern – Harvestworks Digital Media Arts Center:

- Applied Web Development skills to digitally archive the works of composers on Harvestwork's website using WordPress
- Programmed in Max/Msp, installed, and maintained multi-speaker (multi-channel) pieces for Sound-Art composers
- Taught weekly lessons on interfacing microcontrollers with Max/Msp

Education

Aug 2016 – May 2020

New York University – Steinhardt; Courant:

B.M. in Music Theory and Composition | Minor in Web Programming and Applications

Jan 2018 – May 2018:

IRCAM at Centre Pompidou:

Intensive study of computer programming in music (Max/Msp)

Jan 2018 – May 2018:

École Normale de Musique de Paris:

Classical composition and orchestration study under Michel Merlet: (winner of the 1966 Grand Prix de Rome and student of Olivier Messiaen)