

FROMM

Niles Fromm
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Niles Fromm is a Designer and Creative Technologist based in Brooklyn, NY. Working in a variety of mediums and code, he creates experiences that merge the physical and digital.

Experience

Fromm Design - Brooklyn, NY

Developer & Creative Technologist 11/2021 - present

- Web design & Front-end development with a focus on interactive WebGL/GLSL experiences
- Sound design and custom hardware for audio/visual installations
- CAD development and custom electronics for lighting and hardware projects
- Electrical Engineering and custom PCB layout
- Prototyping Machine Learning enabled applications

FuzzyBiz - Brooklyn, NY

ThreeJS/webGL Developer 08/2021 - present

- Front-end / UX engineering
- GLSL Shader programming
- WebAR and WebGL development

Patten Studio - Brooklyn, NY

Designer & Creative Technologist 08/2019 - 11/2021

- Design/fabrication of interactive and kinnetic installations
- CAD design of parts files for manufacture
- R&D for software and electronic based projects
- Blender mockups and renders to show large scale installations

Standard Transmission - Brooklyn, NY

Creative Technologist 10/2018 - 8/2019

- Design/fabrication of interactive and kinnetic installations
- Custom electronics using micro controllers
- Soldering and installation of LED lighting

Champlain College Makerlab - Burlington, VT

Emergent Media Center Technician 01/2015 - 06/2016

- Worked on hardware projects including interactive lighting and robotics using micro controllers
- Trained other students on laser-cutter, 3d printers, large format printers, and Solid Works CAD.

Selected Exhibitions

MODA Full Circle: Design Without End 2022 (Atlanta, GA)

HeadHi LAMP Group Show 2021 & 2022 (Brooklyn, NY)

Dutch Design Week What a Waste 2021 (Eindhoven, NL)

NYC Design Week Radiator Show 2021 (New York, NY)

LightBox NYC Creative Code Festival 2020 (New York, NY)

Education

Pratt Institute - Brooklyn, NY

MID Masters of Industrial Design
2016 - 2019

Keio University - Tokyo, Japan

GID Global Innovation Design
Spring/Summer 2018

Royal College of Art - London, UK

GID Global Innovation Design
Fall 2017

Richmond University - London, UK

Study Abroad Program
Fall 2014

Champlain College - Burlington, VT

BFA Graphic Design & Digital Media
Minor Web Development
2012 - 2016

Skills

Code:

React
Svelte
HTML / CSS
JavaScript
TypeScript
GLSL
C++
Python

Hardware:

Arduino
Raspberry Pi
PCB Design
Soldering
LED lighting
3D Printing
CNC Machining
Woodshop
Metalshop

Audio:

MAXMSP
Ableton Live
PureData
Eurorack
Teensy

Software:

Figma
Illustrator
Photoshop
AfterEffects
Blender
InDesign
Rhino
Solidworks
Fusion 360