

Charles Gabriel (Gabe) Berry

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Brooklyn, NY

ENTRY-LEVEL SOFTWARE ENGINEER

Portfolio: <https://cgberry.github.io/portfolio>

Education

Brooklyn College, Brooklyn, NY (GPA 3.97)

Master of Fine Arts (MFA) in Sonic Arts,
August 2016 – Present

- Computer music composition, production, and history
- Programming in HTML, CSS, JavaScript, LISP, Max/MSP
- Audio/Visual Art

Arizona State University, Tempe, AZ (GPA 3.81)

Bachelor of Music (BM) in Theory and Composition,
May 2015

- Classical music composition
- Summa Cum Laude
- Regent High Honors Endorsement

Courses

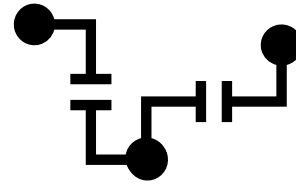
Computer Music I + II, Computer Assisted Composition,
Interactive Computer Music I + II, Building Electronic
Music Instruments I + II

Projects

democraticbeatmaking.space (2019)

Node, Socket.io, JSON, Tone.js, P5.js
<https://github.com/cgberry/DemocraticBeatMaking>

- A prototype website where people collaboratively create a beat and collectively improvise.
- Backend logs votes and stores JSON data for requests. Server is entirely hosted on a Raspberry Pi using NGINX for reverse-proxy
- My final MFA project



cgberry.github.io/portfolio (2019)

React, P5.js, Tone.js <https://github.com/cgberry/portfolio>

- Portfolio website featuring my projects and music
- A static website created using React with a background canvas program created with P5.js and Tone.js

Mary Had a Little Synth (2019)

HTML, CSS, Javascript, ToneJS, Bootstrap, AWS

<https://github.com/cgberry/coding.space/tree/mary-synth-untutorial>

- Tutorial webpage created for The Coding Space. Teaches children the sound capabilities of Tone and has them create their own keyboard.
- Web page created using C9 IDE and merged into coding.space's master branch.

Technology Summary

Web: HTML5, CSS, Node, React, REST API, jQuery, P5js, Tone.js, Socket.io,

Programming/Languages: JavaScript, LISP, Max/MSP

Business: Content Management Systems, Word, PowerPoint, Excel

Sound Engineering: Audio engineering, DSP programming, Interactive computer music patching, Sound design

Employment

Manhattan Youth, New York, NY

Activity Specialist, September 2018 – Present

- Teach up to 40 middle school children web development in Javascript using P5js
- Create lesson plans aiming towards students grasping the fundamentals of computer programming