Charles Gabriel (Gabe) Berry

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Brooklyn, NY

ENTRY-LEVEL SOFTWARE ENGINEER
Portfolio: https://github.com/cgberry

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
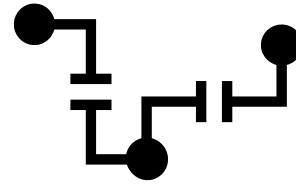
Projects

democraticbeatmaking.space (2019)
Node, NGINX, Socket.io, JSON, Tone.js, P5.js
https://github.com/cgberry/DemocraticBeatMaking

- A website where people collaboratively create a beat and collectively improvise.
- Backend logs votes and stores JSON data for requests

Joycon Granular Synth (2018)
Unity, Max/MSP, OSC, UDP, C#

- An audio grain controlled by the Nintendo Switch Joy-Con. Draws out the physicality of digital audio
- Joycon data sent from Unity in OSC package via UDP to Max

Spam Music Discord Chatbot (2017)
Node, Discord API, Max/MSP, UDP
https://github.com/cgberry/SpamMusicBot

- A chatbot for Discord that allow users to create parameters of a sample-based beat program on Max/MSP using text commands
- Node server receives commands and sends raw text via UDP to Max

Technology Summary

Web: HTML5, CSS, Node, npm, 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 middle school children various coding platforms such as Scratch, P5js, and music technology software like Ableton Live and Max/MSP
- Simple and clear teaching of the principles of coding