GriffinGoing

Student

November 2020

- Grand Rapids, MI
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- Coming Soon!
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About me

While studying music as a college undergraduate, I took an introductory computer programming course and was immeditaely captivated. A strong self starter, I dove in and began pursuing computer science as a full-time career. I love the ongoing challenge to learn that a career in CS demands, and I am eager to continue my journey.

Education

2018-2021	B.S. in Computer Science - GPA: 3.7	Grand Valley State University
	Allendale, Michigan	
2014-2017	A.M. in Piano Performance	Grand Rapids Community College
	Grand Rapids, Michigan	

Projects

Easy Engine - Python Game Engine

- Extends the pygame library to provide easy access to features commonly required by games
- Requires minimal input from the user, and formats input to spec internally
- Uses verbose in-process benchmarking for accurate timing across machines.
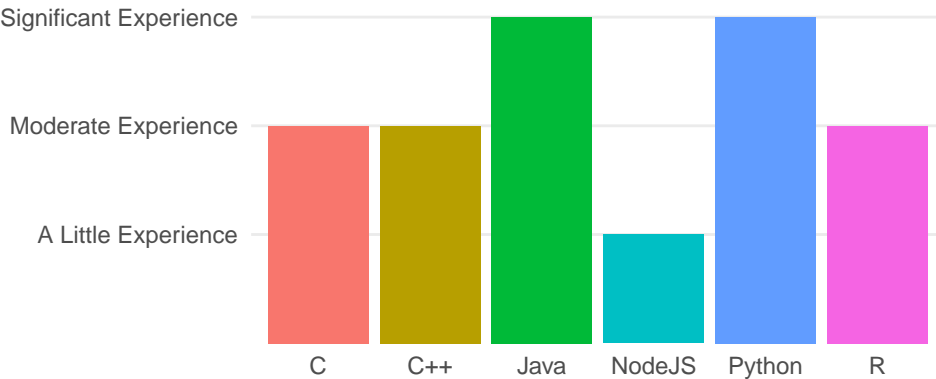
Conversion of Music to Haptic Vibrations on a Worn Device

- Working to compress wave frequency up to 20,000 Hz to a 500 Hz range
- New waves sent in haptic form to a wearable device
- This method allows those with hearing loss experience music in a new way

Mel Frequency Cepstrum Coefficients Dashboard

- Built an online dashboard for extracting and analyzing MFCC features from .wav files
- Offers interactive plot manipulation and visualization options
- Allows users to see extracted features relevant to audio training algorithms in direct juxtaposition

Languages

Design Principles and Libraries

- React
- Bootstrap / JSX
- REST API

Work Experience

Applied Computing Institute — Software Developer • *September 2020 - Current*

- Performing research on the application of MFCC techniques to specific audio-classifying ML algorithms
- Working on a small team to develop an audio analysis software suite

Bonefish Grill — Inventory Manager • *February 2016 - August 2020*

References available upon Request

This resume is kept updated on github here. *

- *Due to its parameterized format, this resume is updated automatically. If hyperlinks are unavailable in the current PDF viewer due to deprecation, please don't hesitate to visit my Github page for a current version of this resume, or to reach out with any questions. I welcome inquiry into my current passion projects and the research therein.*