Anna Cain

Dr. Wells

Computer Programming for Musicians

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<div align="center">Development Progress Report 2</div>

At this point, I now have visualizer(s) that are working and are audio reactive. That has been the main challenege this past week, getting the visualizers to actually respond! Next, I will include MIDI input, and if I can figure it out and make it work, have set presets for each band. I'm starting to rethink whether that is necessary. I liked the idea at first, but it kind of takes away from the user feeling like they have agency over their own creative process… if that makes sense!

<div align="center">Sources for visualizer implementation:</div>

1. Mozilla Contributors. "Web Audio API." *MDN Web Docs*, Mozilla, https://developer.mozilla.org/en-US/docs/Web/API/Web_Audio_API. Accessed 15 Apr. 2025.

2. Mozilla Contributors. "Canvas API." *MDN Web Docs*, Mozilla, https://developer.mozilla.org/en-US/docs/Web/API/Canvas_API. Accessed 15 Apr. 2025.

3. Tone.js Contributors. *Tone.js Documentation*. https://tonejs.github.io/. Accessed 15 Apr. 2025.

4. Franks Laboratory. "Web Audio API - Visualizer." *YouTube*, uploaded by Franks Laboratory, 24 Apr. 2021, https://www.youtube.com/watch?v=2O3nm0Nvbi4. Accessed 15 Apr. 2025.

5. Fireship. "How to Make Audio Visualizers." *YouTube*, uploaded by Fireship, 24 Jan. 2022, https://www.youtube.com/watch?v=2VJlzeEVL8A. Accessed 15 Apr. 2025.

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