

Benjamin E. Jordan

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Portfolio: <https://bej9038.github.io/PortfolioWebsite/#/>

Education

- Rochester Institute of Technology
- B.S. in Computer Science
[Expected Dec 2022]
- Minor in Music and Technology
- 3.53 GPA

Skills

Programming

- **Java, C, Javascript, HTML, MIPS, SCSS, Web Audio API**, Python, SQL, PHP, React, C++, JUCE

Software Tools

- Git, Linux, Windows, JetBrains IDEs

Audio Engineering

- Ableton, FL Studio, Mixing, Mastering, Song Writing, Sound Design

Work Experience

- Audio Research and Software Development COOP at RIT
[Rochester NY, June 2020 - Present]
- Instructor at UCode Ithaca
[Ithaca NY, June 2019 - August 2019]
- ICSD Pre-K Summer School Teacher Aide
[Ithaca, NY, July 2021 - August 2021]

Activities

- Varsity Track and Field Athlete
[March 2019 - Present]
- RIT EDM Club Founder & Officer
[May 2020 - Present]

Projects

Cochlear Implant Testing

- Created an online program used to test hybrid cochlear implants for hard of hearing patients
- Written in HTML, Javascript, CSS, SQL, and PHP
- Link - auditoryneuro.com
- Poster - [Research Poster](#)

Omnitone

- Created a web program that processes ambisonic audio (the audio format used for VR) and combines it with a interactive 3D visual
- Allows the user to select a source & receiver position and explore a room with a VR viewer

EQ Audio Effect

- Created a four filter parametric equalizer plugin for audio mixing
- GUI and DSP written using the JUCE C++ framework

Compiler & Translator

- Semester long group project
- Wrote a compiler & translator for a given language in Java
- My main role was to write the semantic analyser