

# Benjamin E. Jordan

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

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## Education

- Rochester Institute of Technology
- B.S. in Computer Science  
[Expected Dec 2022]
- Minor in Music and Technology
- 3.5 GPA
- 1470 SAT

## Skills

### Languages, APIs, Frameworks, and Libraries

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

### Tools

- Git, Linux, Windows, macOS, Scrum, Spreadsheets

### Audio Engineering

- Pro Tools, Ableton, FL Studio, Mixing, Mastering, Composition

## Work Experience

- Researcher and Software Developer for Dr. SungYoung Kim at RIT  
[Rochester NY, June 2020 - Present]
- Instructor at UCode Ithaca  
[Ithaca NY, June 2019 - August 2019]
- Summer Camp Counselor at Cass Park [Ithaca NY, June 2018 - August 2018]

## Activities

- Varsity Track and Field Athlete  
[March 2019 - Present]
- EDM Club Officer

## Projects

### Cochlear Implant Testing

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

### Omnitone

- Created a web based program that processes ambisonic audio (The audio format used for virtual reality) and combines that with a 3D visual representation of a room.
- Utilized the Web Audio API along with google's Omnitone library
- Allows the user to select a source and receiver position and explore the room and its audio with a VR viewer.

### EQ Audio Effect

- Currently implementing a parametric equalizer VST3 plugin for music production and mixing.
- Used the JUCE C++ framework for the digital audio processing along with the gui.