

# JOSEPH YOUNG

## Software Engineer

Astoria, NY

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## Skills

**Proficient:** Node; Javascript; React/Redux; Git; Babel; Express; HTML5; CSS3; Mocha; Chai; PostgreSQL; Three.js; Sequelize; Tone.js; Sockets.io

**Familiar:** Python; Cloud Firestore/Firebase; Typescript; MongoDB

## Relevant Projects

**Music Memory** - Role: Sole Developer - [music-memory-game.herokuapp.com/](https://music-memory-game.herokuapp.com/)

- A "music memory" game where the user must play back a melody after hearing it.
- This project was created as part of a Mintbean hackathon. I was awarded their "Mintbean Star Award" for quality projects, given only to the top 5% of participants.
- Tech Used: React, Tone.js

**Stick N' Pin** - Role: Team Developer - [sticknpin.herokuapp.com/](https://sticknpin.herokuapp.com/)

- Worked in a 4-person team to create an ecommerce store selling "stickers and pins" working both solo and in pairs to grow the front-end as well as a functional back-end.
- Tech Used: Webpack, Heroku, React, React-Redux, Sequelize, Socket.io, Passport Google OAuth, CSS.

**Aether** - Role: Team Developer - [aether-leo.herokuapp.com/](https://aether-leo.herokuapp.com/)

- Worked in a 4-person team to create an audio/visual collaborative "jam" space, where users can co-compose music and render associated visualizations in real time. Final products can be saved and downloaded.
- Tech Used: Webpack, Heroku, React, React-Redux, Sequelize, Socket.io, Firebase, Three.js, Tone.js, CSS.

## Publication

**Tone.js Tutorial** - How to Make a Piano with Tone.js - <https://youtu.be/xTZLqcdRD-o>

An instructional video on YouTube on how to make a basic one-octave piano using Tone.js.

## Experience

### Website Manager

6/2021 – Current

Developer for the 78<sup>th</sup> Army Band

- Builds, develops, and maintains the 78th Army Band website in order to provide a tool for the civilian community to connect and access the unit's social media resources.

### New York Public Radio

11/2017 – Current

Front Office Administration/ Production Assistant

- Maintains security and conducts administrative tasks at the reception desk
- Assists in preparation and production of scripts and content for WQXR's Carnegie Hall Live broadcasts.

### US Army

11/2004 – Current

Soldier / Executive Officer / Musician

- Serves as a Warrant Officer, responsible for management and well-being of a 50+ person team in all aspects related to HR, finance, and training.
- Programs, produces, and musically performs 100+ tri-state community and training events.

## Education

Fullstack Academy, New York, NY

02/2021

**Certificate**, Software Engineering; 17-Week Full Stack Immersive

Hunter College, New York, NY

06/2019

**Bachelor of Arts**

Ball State University, Muncie, IN

06/2014

**Master of Music**, Music Composition