

# Briana Robinson

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**Skills** JavaScript, Python, React.js, Redux.js, HTML, CSS, Git, PostgreSQL, Express.js, Docker, Heroku, AWS S3, Flask, Sequelize, SQLAlchemy

## Projects

**Waist Deep Beads**   [Live Site](#) | [Github](#)

(JavaScript, Python, React / Redux, Flask, HTML, CSS, PostgreSQL, AWS S3, Docker, node.js, SQLAlchemy)

*E-commerce application inspired by [Etsy](#) for waist bead enthusiasts to share their creations and review others' creations.*

- Implemented Amazon Web Services S3 bucket for cloud-based image storage, reducing server load to optimize user experience and data reliability
- Incorporated React context for more readable (DRY) code while designing modals
- Used query in API route to allow for usage of categories' many-to-many relationship with waist bead creations
- Employed CSS3 Flexbox and z-index for an appealing and responsive layout

**Pixtagram**   [Live Site](#) | [Github](#)

(JavaScript, Python, React / Redux, Flask, HTML, CSS, PostgreSQL, AWS S3, Docker, node.js, SQLAlchemy)

*Pixtagram is a pixel-perfect clone of dark themed [Instagram](#) where users can share posts and comment on other users' posts.*

- Built custom form error handling by utilizing WTForms backend validations to protect user's personal data and protect them from Cross-site Request Forgery (CSRF)
- Utilized Flask and SQLAlchemy for backend server rendering allowing for development flexibility as well as a quick-loading and secure application
- Collaborated with 3 other engineers using agile methodologies and git for version control in order to optimize workflow for a 7-day turnaround
- Employed Docker Container to build cloud-based application to use less memory, application portability, and easy updating of new features

**MeloMania**   [Live Site](#) | [Github](#)

(JavaScript, Express.js, React / Redux, HTML5, CSS, AWS S3, node.js, Sequelize)

*MeloMania is a soft clone of [SoundCloud](#) where users can upload their music, listen to music uploaded by other users, make their own playlists of songs, and comment on each song.*

- Leveraged React/Redux with Express backend to dynamically update songs and comments
- Integrated external React Player package and HTML5 allowing for music to be played from a variety of urls
- Configured the Node/Javascript backend with PostgreSQL, using the Sequelize ORM for validations and database queries
- Successfully deployed full-stack production version within a single week turnaround time after learning new frontend technologies
- Optimized user authentication by using BCrypt for password hashing/salting

## Experience

Freelance Musician, **Musician**

2011 - present

- Perform solo violin for various occasions such as weddings, birthday celebrations, graduations, etc
- Collaborate with many other professionals for the success of large and small productions
- Perform a plethora of music genres on violin with ensembles of various sizes such as orchestras, quartets, trios, etc.
- Transpose various orchestral parts for wind instruments using Sibelius 6 software

Robinson Violin/Viola Studio, **Instructor**

2010 - present

- Instruct beginning and intermediate violin students with techniques to enhance their violin/viola performance and study.
- Showcase students' progress through virtual and in-person recital performances through large-scale communication, collaboration with other teachers, accompanists, videographers, directors of venues, etc.

## Education

**App Academy**

January 2022 - July 2022

Immersive software development course with focus on full stack web development.

**Agnes Scott College**

*Bachelor of Science in Music and Biochemistry/Molecular Biology, Cum Laude*

Aug 2012 - May 2016