

Amanda Marie Barrafato

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PROJECTS

AMBSynth, 1 of 1 developers -- <https://amb-synth.herokuapp.com/>

February 2020

- Utilized Tone.js and Web Audio API to create a synthesizer web application.
- Made front end views and managed state with React and React Hooks.

Xquisite Corpse, 1 of 4 developers -- <https://xquisitecorpse.herokuapp.com/>

December 2020

- Utilized Socket.io library to create game-play WebSocket calls.
- Made front-end views and managed state with React.
- Implemented a responsive HTML5 Canvas for drawing with the Konva library.

GraceCropper, 1 of 4 developers -- <https://grace-cropper.herokuapp.com/>

November 2020

- Designed database schema using PostgreSQL.
- Created seed with mock data using faker.js.
- Wrote RESTful API to supply the front end with data using Express and Sequelize ORM.
- Made responsive front end views with React and React-Bootstrap.
- Simplified state management using React-Redux.
- Designed and implemented an administrator role, to allow administrators to add or update users and products.

EXPERIENCE

The Grace Hopper Program at FullStack Academy, New York, NY -- *Software Engineer Teaching Fellow*

January 2021 - April 2021

- Mentored over 30 junior software engineers using the NERD stack, software architecture/design, and debugging strategies.
- Conducted 20+ Technical Interviews for prospective students.
- Served as a product manager for teams, using agile methodologies as they rapidly designed, developed, tested, and deployed their own web applications.

Self-Employed, New York, NY -- *Freelance Audio Engineer*

May 2016 - March 2020

- Assembled sound and video systems for bands, theatre, and fashion week events.
- Mixed bands and events as Monitor or Front-of-House Engineer on digital and analog consoles.
- Troubleshooted issues in a timely manner in order to keep shows running smoothly.
- Freelanced for Audible Difference Inc., Bowery Ballroom, NYU Skirball, St. Ann's Warehouse, Brooklyn Academy for Music, Tribeca Center for Performing Arts.

Celebrate Brooklyn!, Brooklyn, NY -- *Deck Audio Supervisor*

May 2017 - September 2017

- Acted as System Technician, maintained/repaired in-house equipment and system including but not limited to: soldering cables, crimping CAT5E, analyzing speakers frequency response with SMAART.
- Generated input lists and other technical paperwork.
- Managed audio crew of five interns and two apprentices on a day-to-day basis for daily stage set-up, soundcheck, show, and changeovers.

TECHNICAL SKILLS

Javascript, PostgreSQL, Express, React/Redux, Node.js, Sequelize, Git, HTML, CSS, Heroku, Mocha, Chai, Jasmine, Axios, OAuth, Travis CLI, Pro Tools, Understand and can operate digital and analog consoles (Midas, Yamaha, DigiCo, iLive), ATEM Video Switcher, Arduino, Max/MSP, Garageband, Ableton Live, Guitar Maintenance, Guitar.

EDUCATION

Grace Hopper Academy, New York, NY -- *Certificate in Software Engineering*
December 2020

New York University Steinhardt, New York, NY -- *Bachelor's of Music in Music Technology*
September 2013 - May 2017