

Jacob Clapper

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As a creative, focused, and diligent Software Engineer, I strive to develop full stack applications that are intuitive and efficient. My background as a teacher and pianist has given me the ability to manage and prioritize multiple obligations. I have developed necessary communication skills to collaborate as a team and also work independently. It is with this experience that I am able to build creative solutions that build community and increase productivity.

Skills JavaScript, Vanilla Javascript, React.js, HTML5, CSS3, Bootstrap, Heroku, Express, liquid, Node.js, MongoDB, Mongoose, Python 3.7, Git, GitHub, JQuery, PostgreSQL, Trello, Postman, Canva

SOFTWARE DEVELOPMENT PROJECTS

Harmony Haven Github: [Client API](#)

August 2022

- Hosted on Heroku
- Wireframes and planned UI design of application using Canva
- Developed an MVP before moving to final production
- Utilized MongoDB, Express, React, and Node.js to build a full stack application with full create, read, update, delete (CRUD) operations, and API back-end and a front-end client
- Made frequent commits using Git control throughout the production of application
- Used Mongoose to define schemas for MongoDB collections
- Used seeded data for models

Freelancer Github: [Client](#) - [API](#)

August 2022

- Hosted on Heroku
- Wireframes and planned UI design of application using Canva
- Developed an MVP before moving to final production
- Utilized MERN to build a full stack application with CRUD operations with API back-end and a front-end client
- Collaborated as a team making frequent commits using Git control throughout the production of application
- Used seeded data for models and subdocuments

Music Lesson and Assignment Tracker [github](#)

July 2022

- Wireframes and planned UI design of application using Canva
- Developed an MVP before moving to final production
- Utilized MERN to build a full stack application with CRUD operations
- Made frequent commits using Git control throughout the production of application
- Used Mongoose to define schemas for MongoDB collections
- Deployed the web application to a remote server using [heroku](#)

[Memory Game github](#)

June 2022

- Used Vanilla Javascript, CSS3, and HTML5 and DOM manipulation to create a memory card matching game
- Utilized Javascript and Vanilla Javascript in creating object oriented function

PROFESSIONAL EXPERIENCE

All Souls Unitarian Universalist Church, Music Director

August 2015 - Current

- Collaborate with the minister or other service leaders in the creation of worship services.
- Choose anthems and hymns, in consultation with ministers/service leaders.
- Rehearse and direct choir on a Christmas Eve Service.
- Provide piano music for the Sunday services September through June with one Sunday off per month.

Curry College, Collaborative Pianist/Private Music Instructor

September 2016 - 2020

- Played for Choir Ensemble rehearsals and semester concerts
- Taught keyboard skills such as sign reading, technique, music theory, learning memorizing and repertoire.
- Introduced students to composer and music key to the development of music history and piano technique.

Duxbury Public Schools, Collaborative Pianist/Private Music Instructor **August 2013 - June 2019**

- *Concerts and Rehearsals* (September 2013-June 2019) Music Director- Robert Judge
- Weekly rehearsals and yearly concerts for High School Choruses and Middle School Choruses: (High School- Chamber Singers, Concert Choir) (Middle School -6th Grade Chorus, 7/8th Mixed Chorus and 7/8 Concert Chorus)
- *Concerts*- All Choral Night, Holiday Assemblies, Spring and Fall Concerts, and concerts at venues such as Carnegie Hall, Strathmore Hall, and Disney Springs in Orlando, FL.

EDUCATION

GENERAL ASSEMBLY

Software Engineering Immersive

June 2022 - August 2022

Full-stack software engineering immersive student in an intensive, 12-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Masters of Music

Piano Performance, University of Florida
2013

Bachelors of Music

Piano Performance, Texas A&M University-Commerce
2011

Awards- Graduate Assistantship, University of Florida