

## 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