

MADI LIPPMANN

Software Engineer with a background in Classical Music and Arts Administration

707.363.9513

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[Github](#)

[Linkedin](#)

[Profile](#)

San Francisco / Bay Area

SKILLS

LANGUAGES:

Python, JavaScript, SQL, HTML, CSS

LIBRARIES / FRAMEWORKS:

React.js, Redux, Node.js, Express.js, Flask, SQLAlchemy, Sequelize

TOOLS:

Git / Github, PostgreSQL, Postman, Docker, AWS S3

PROJECTS

SoundUp - Python | Flask | React | Redux | PostgreSQL | SQLAlchemy | Docker

[live](#) | [github](#)

Inspired by OpenTable, SoundUp is a reservation platform where users can hire musicians for gigs and events.

- Employed **Docker** to containerize application and simplify application deployment through Github Actions
- Designed uni-directional frontend state management with **Redux** to maintain the accuracy and display of frontend user data
- Integrated **React Media Player** web components to enable media playback for users to hear musician samples

HOLOGRAM - Python | Flask | ReactJS | Redux | PostgreSQL | SQLAlchemy | AWS S3 | Docker

[live](#) | [github](#)

HOLOGRAM is a social-media platform where users can share and comment on images, as well as communicate via direct messages.

- Developed a seamless, real-time messaging system for users through the integration of **Websockets**
- Reduced load-times of application through engineering an infinite scroll feature to paginate backend **API** calls
- Integrated animated loading bars to smooth **UX / UI** by minimizing the perceived data rendering time
- Constructed search feature leveraging fuzzy search to query and return all closely-related data from **PostgreSQL** database

Noted - React | Redux | Express | Node | PostgreSQL | Sequelize

[live](#) | [github](#)

Noted is a note-taking and organizational application inspired by the popular note-taking application, Evernote

- Designed custom **React** component to enable a toggleable autosave feature that ensures persistence of all new user data
- Expanded the breadth of user note-taking functionality by leveraging **CKEditor** library to allow for rich-text editing of notes
- Engineered multiple search bars to optimize organization of user notes, notebooks, and tags through querying **Redux** store

EXPERIENCE

Operations Associate and Assistant Music Librarian - Classical Tahoe | Incline Village, NV

July 2021 - Present

- Collaborated with Executive Director, Operations Lead, and Music Librarian to produce and facilitate concerts, rehearsals, and special events during 3-week festival featuring musicians from globally recognized orchestras
- Managed personnel and operational transitions for live, PBS-broadcasted concerts with viewership of 26,000+ to minimize stage-change times and deliver seamless performances
- Meticulously prepared orchestra scores and parts to meet MOLA guidelines and streamline rehearsal process

Artist Services Manager - Festival Napa Valley | Napa, CA

May 2019 - July 2021

- Cooperated with artistic administration and operations team to conduct simultaneous orchestral and opera academies, successfully producing 30+ concerts and performances in demanding and fast-paced environment
- Spearheaded food-waste reduction effort by partnering with community members to ensure all excess meals were donated to the local homeless shelter, nearly eliminating all academy food waste
- Successfully oversaw the allocation of a \$55K budget through strategic planning and prioritization of needs for receptions, events, meals, and supplies
- Bolstered patron and musician satisfaction through the production of receptions and events servicing up to 170 people

EDUCATION

Software Engineering - App Academy | November 2021 - May 2022

Master of Music, Music Composition - Carnegie Mellon University | 4.12 GPA | 2018 - 2020

- *Relevant Coursework:* CS 15-112 - Fundamentals of Programming and Computer Science | Fall 2020

Bachelor of Music, Vocal Performance - University of California, Santa Cruz | Summa Cum Laude | 3.98 GPA | 2013 - 2017

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LIBRARIES / FRAMEWORKS:

React.js, Redux, Node.js, Express.js, Flask, SQLAlchemy, Sequelize

TOOLS:

Git / Github, PostgreSQL, Postman, Docker, AWS S3

PROJECTS

HOLOGRAM - Python / Flask / ReactJS / Redux / PostgreSQL / SQLAlchemy / AWS S3 / Docker

[live](#) | [github](#)

HOLOGRAM is a social-media platform where users can share and comment on images, as well as communicate via direct messages.

- Developed a seamless, real-time messaging system for users through the integration of websockets
- Engineered an infinite scroll feature for home feed to decrease loading times and continuously engage user

SoundUp - Python / Flask / ReactJS / Redux / PostgreSQL / SQLAlchemy / Docker

[live](#) | [github](#)

Inspired by OpenTable, SoundUp is a reservation platform where users can search for and hire musicians for gigs and events.

- Employed Docker to containerize application and simplify application deployment through Github Actions
- Leveraged Redux to maintain frontend user data and minimize the number of backend server calls

NOTED - ReactJS / Redux / Express / Node / PostgreSQL / Sequelize

[live](#) | [github](#)

Noted is a note-taking and organizational application inspired by the popular note-taking application, Evernote

- Incorporated toggleable autosave to ensure persistence of new user data
- Utilized CKEditor library to allow for rich-text editing of user notes
- Implemented multiple search features to optimize organization of user notes, notebooks, and tags

MoOA - VanillaJS / Node / Express / AWS S3 / Pug / PostgreSQL / Sequelize

[live](#) | [github](#)

MoOA - the Museum of Online Art - is an online collective for artist to share, like, and comment on the work of fellow arts

- Designed user and global feeds to improve user experience
- Employed Agile / Scrum methodologies and pair programming to organize workflow and build project over week-long sprint

EXPERIENCE

Operations Associate and Assistant Music Librarian

Classical Tahoe | Incline Village, NV

2021 - Present

- Provide operational assistance to Executive Director, Operations Lead, and Music Librarian during 3-week festival featuring world-class musicians from the Metropolitan Opera Orchestra, San Francisco Symphony, LA Philharmonic, and others
- Help facilitate the execution of concerts, academy events, rehearsals, and donor events
- Stage Manage Live PBS Broadcasted Concerts with viewership of 26,000+
- Meticulously prepare scores and parts to meet MOLA guidelines and streamline rehearsal process

Artist Services Manager

Festival Napa Valley | Napa, CA

2018 - 2021

- Worked in conjunction with artistic administration and operations team to conduct simultaneous orchestral and opera academies and successfully produce 30+ concerts and performances in demanding and fast-paced environment
- Organized food budgeting, purchasing, and distribution for orchestra, opera company, faculty, and staff of 100+
- Produced receptions and events for up to 170 people
- Managed \$55K+ budget for receptions, artist events, daily meals, and supplies
- Coordinated and maintained housing for 90 orchestra and opera students, acted as liaison between students and community host families

- Single-handedly managed budgeting, purchasing, and distribution of 2-3 daily meals for orchestra and opera company of 100+

EDUCATION

Software Engineering - *App Academy* | November 2021 - May 2022

Advanced Music Studies Certificate in Music Composition - *Carnegie Mellon University* | 2020 - 2021

MM Music Composition - *Carnegie Mellon University* | 4.12 GPA | 2018 - 2020

BM Vocal Performance - *University of California, Santa Cruz* | Summa Cum Laude | Highest Honors | 3.98 GPA | 2013 - 2017

CURRICULUM HIGHLIGHTS

CS 15-112 - Fundamentals of Programming and Computer Science, *Carnegie Mellon University* | Fall 2020

- Redux state
- ORM fetches
- Building forms
- Improving user experience
- Designed image carousel

Reducing server load

Leveraged Docker to deploy through Github actions Heroku

Optimized state to minimize fetch calls and server loads