ALEX CLOUGH

(917) 971-9027   alexcl123@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React / Redux, JavaScript, HTML, CSS, Express, Flask, SQL, Postgres, Sequelize, Flask-SQLAlchemy, Docker, Heroku, Test-Driven Development, Git, AWS S3

PROJECTS

Full Court Press (Flask, ReactJS, Python, JavaScript, PostgresQL)   live | github
Basketball trading card application where users can start leagues with their friends.
- Utilized the ESPN API to efficiently seed data and enhance UX and UI.
- Constructed a robust database with the Flask-SQLAlchemy ORM to ensure a scalable application.
- Designed virtual player trading cards with CSS-grid to ensure responsive web-design across multiple browsers and an accessible UI.

Woof Woof   (Flask, ReactJS, websockets)   live | github
Slack-inspired application that enables real-time chat and messaging between dog enthusiasts.
- Designed application-wide Websockets implementation to enable real-time chat between end-users.
- Integrated an end user-friendly UI with a robust search API to allow for dynamically fetched search data.
- Utilized BCrypt Hashing on backend auth routes to ensure user privacy.

Tour Drive (Express, ReactJS, AWS)   live | github
Bandcamp inspired application that features a robust music player and AWS storage.
- Built a highly performant music player utilizing React hooks on the frontend with an AWS S3 bucket to lighten server load and improve scalability.
- Implemented a clean and user-friendly UI utilizing React state to allow easy User access of liked artists and albums
- Designed a scalable Express / SQL backend using the Sequelize ORM to store and serve end user comments and likes.

To Doom List (Express, Javascript, CSS)   live | github
A to-do list app cloning Remember the Milk for supervillains that utilizes the browser API to communicate with an Express server
- Leveraged the power of AJAX by using the Fetch API to retrieve data from the server without a page refresh.
- Employed the DOM API to allow user interaction to dynamically display elements to view, create, edit and delete lists and tasks.
- Designed a scalable Express / SQL backend to serve and store user data enabling a continuous UX across user sessions.

EXPERIENCE

Owner
Alex Clough Music   Sep 2009 - January 2021
- Booked and performed 100-150 shows per year in the New York City metropolitan area and across North America.
- Managed 10-20 musician subcontractors per year and worked with festival organizers, school administrators, wedding planners and club owners to coordinate schedules, fees and musical programs.
- Released full-length album "near, far, beyond" to critical acclaim, handled all budgeting, recording, printing, digital distribution and touring logistics.

Piano Faculty
Rutgers University, Community Arts | Mason Gross School of the Arts and Community Arts   Sept 2017 - January 2021
- Taught 5-10 students per semester in general piano studies and jazz piano at the precollege level, preparing students for both general proficiency and end-of-semester recitals.
- Accompanied 10 ballet classes per week for pre-college American Ballet Theatre program, working with dance instructors to choose repertoire and prepare students for juries
- Accompanied 2-3 collegiate ballet classes and 2-3 collegiate modern dance classes per week, helping students prepare for final examinations.

EDUCATION

App Academy - App Academy, Immersive Full Stack Web Development Bootcamp with < 3% acceptance rate | Jan 2021 - June 2021
Tufts University - Bachelors of Arts in International Relations and Economics | 2005-2009
State University of New York at Purchase College - Masters of Music | 2010-2012