

Stanley Ou

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SKILLS

React, Redux, HTML5, CSS3, JavaScript, Python, SQLite, GIT, API, ORM, Heroku, Render, Flask, Express, Node, SQL-Alchemy, AWS, Websockets, Google Maps API

PROJECTS

Instantgram | (*JavaScript, Python, Flask, SQL-Alchemy, React, Redux, HTML5, CSS3, SQLite, AWS, Socket.IO*)

Single page social media app modeled after Instagram that shares many of its features

[Live Link](#) | [GitHub](#)

- Implemented real-time direct messaging using Socket.IO, allowing users to engage in instant, seamless communication with one another
- Utilized AWS S3 to handle the storage and retrieval of user-generated uploads for posts, enforcing file type validation
- Developed an auto-suggest search feature that optimizes database queries by implementing a custom debouncer
- Collaborated effectively and efficiently with team members through Slack and Git branches, implementing pair programming to debug front-end and back-end features, resulting in timely resolution of issues with minimal conflicts

Socket-Gaming | (*JavaScript, Python, Flask, SQL-Alchemy, React, Redux, HTML5, CSS3, SQLite, Socket.IO*)

Real-time gaming app where users can connect and interact through user-hosted game lobbies

[Live Link](#) | [GitHub](#)

- Built custom game logic utilizing a game loop, JavaScript class, and React states to effectively manage the dynamic state of play and enable real-time updates between clients through Socket.IO, culminating in the seamless rendering of the game state onto the HTML Canvas for an immersive gameplay experience
- Implemented real-time game lobbies for users to interact and socialize in through the chatroom before participating in or spectating the game, enabling seamless engagement with other players
- Developed a system for multiple, user-hosted game lobbies that allow for easy joining and leaving, implemented through the use of the Flask server, SQLite/PostgreSQL database, and backend management of each lobby as a separate entity

RendeVue | (*Javascript, Node, Express, React, Redux, HTML5, CSS3, SQLite, Google Maps API*)

Event planning and organization app that features groups and events, similar to Meetup

[Live Link](#) | [GitHub](#)

- Implemented scrolling animations by combining React's useRef and useState dynamically with the Intersection Observer API, allowing items to fly in and out as the user scrolls, enhancing the user experience with engaging visual elements
- Integrated Google Maps API to display venue locations by utilizing the auto-complete feature, allowing users to easily select and display the location of events on a map
- Designed and employed a 3D tilting animation on group and event cards to enhance the visual aesthetics and interactivity of the user interface

EXPERIENCE

Northwell Health - Chief MRI Technologist / Manager

May 2019 - Present

- Optimized scanner protocols to ensure accurate high quality images while coordinating with physicians to provide diagnostic imaging in an efficient and timely manner
- Evaluated workflow and time slots regularly to optimize and increase throughput, resulting in a successful increase in profitability by 50%
- Managed and supervised a team of technologists, addressing and resolving any patient concerns related to the MRI department to ensure efficient and satisfactory service

New York University Langone Health - Senior MRI / Advanced Practice Specialist

May 2012 - March 2019

- Mentored over 300 technologists across dozens of high volume facilities on the proper employment of scanner protocols, parameters, and advanced techniques through in-services, classes, and hands-on training
- Collaborated directly with radiologists to build and further advance both new and existing protocols
- Formulated monthly presentations and learning opportunities toward continuing education credits for other technologists
- Tasked with overseeing the preparation and set-up of new clinical facilities to ensure optimal functioning of the scanners
- Identified and troubleshooted limited hardware and software issues related to the MRI scanners

EDUCATION

• **App Academy** - Full Stack Software Engineer Bootcamp

Feb 2022 - Feb 2023

• **Stony Brook University** - Bachelor of Sciences in Health Science

Sept 2007 - June 2012