Jonathan Berzon

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SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Python, Docker, AWS, Canvas, R

PROJECTS

Some Trails   (Rails, ReactJS)   live | github

Some Trails is an All Trails clone built with Rails, Postgres, React, and Redux.
- Stored uploaded images on Amazon Web Services S3(AWS) utilizing backend associations to link buckets to hike photos.
- Designed dynamic search bars which utilized front-end state for quick and responsive search results.
- Utilized dynamic design and media queries to ensure all pages within the application were both responsive and promoted good user experience on all screen sizes.

Movie Fridays   (Express, ReactJS)   live | github

Movie Fridays is a movie based social media site utilizing the MERN stack.
- Collaborated in a team of four to build a custom web application from inception to completion in under four days.
- Contributed as a flex developer to both design the backend and create seamless interconnectivity to the frontend.
- Used React to build reusable components for the Frontend and design team to seamlessly integrate into their code.

Card Brawl   (Javascript, Canvas)   live | github

Card Brawl is a custom card game built with vanilla JavaScript and Canvas.
- Used Canvas and vanilla JS to create and display a functioning game board with CSS animations, responsive click handling, and working game logic.
- Utilized Object Oriented Design to build reusable classes for interconnectivity between classes such as Board, User, Deck, and Cards.

EXPERIENCE

Clinical Interviewer

Suffolk County Mental Health Project - Stony Brook Hospital   Jun 2018 - Jul 2021
- Conducted over 200 structured clinical interviews (SCID-IV) on a sample of adults with psychotic disorders (schizophrenia spectrum disorders, mood disorders, etc.) and non-psychotic controls.
- Prepared individual case reports from interview data, psychiatric treatment records, and observed behavior to be used in monthly meetings to aid psychiatrists in the diagnostic process.
- Worked with IBM to combine their data analysis software for voice and facial recognition to our data set using Docker and Python.
- Trained and managed research assistants to aid in data collection and retrieval, as well as trained staff members to use Python, Docker, and navigate the command line for data traversal.
- Wrote scripts used to analyze thousands of data points to reduce the data-cleaning process from manual to automated.

Research Coordinator

Genomic Psychiatry Cohort - Stony Brook Hospital   Feb 2019 - Feb 2020
- Coordinated, hired, and trained a team of research assistants in both data collection and cleaning.
- Distributed and received over 200 user surveys assessing symptoms of psychopathology.
- Used R to conduct quantitative analysis on received data in an attempt to restructure and create a new survey to dimensionally assess psychopathology.
- Presented findings based on self conducted data analysis at the 33rd Annual Meeting of the Society for Research in Psychopathology. Findings were later used in a publication for the journal *Assessment*.

EDUCATION

Web Development - App Academy   Aug 2021

Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.

BA Psychology - Stony Brook University   May 2018