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 (Ruby on Rails, ReactJS, Google Maps API, Weather API, PostgreSQL, AWS S3)   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 (MongoDB, Express, ReactJS, NodeJS, IMDb API)   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, HTML, CSS)   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