MATTHEW ANDRESEN

(707) 338-3405   Matt.Andresen0@gmail.com   GITHUB   LINKEDIN   ANGELLIST

SKILLS

React, Redux, Ruby, Rails, Javascript, Node.js, HTML, CSS3, SQL, noSQL, Vector Graphic Design

PROJECTS

Space Ball - (MongoDB, Express, ReactJS, Socket.io, Matter.js)   live | github

Lead developer - Online multiplayer table hockey game
- Utilized Socket.io websockets for server-client communication, enabling real-time multiplayer and a live lobby system.
- Employed Matter.js physics library on the backend to handle game logic, sent to clients via Socket.io websockets.
- Built custom client-side Canvas renderer to receive and display Matter.js engine data specific to that unique user.
- Managed team Git workflow and coordinated objectives between front and backend teams to maximize productivity.
- Created detailed vector art game assets with the Affinity Creative Suite software.

Zelda JS - (JavaScript, Canvas, CSS3, HTML5)   live | github

Javascript remake of the NES classic
- Designed image scanning algorithms that construct maps based on input, allowing for potentially limitless areas to explore.
- Implemented flexible game entity AI that can act unpredictably while reliably adapting to player and environment data.
- Featuring flexible class architecture for game, UI, units and more that can be independently tuned to customize experience.

Super SlackBoy - (Rails, ReactJS, PostgresQL)   live | github

Message board inspired by Slack
- Integrated Action Cable websockets for server-client communication to enable a real-time message board for multiple users.
- Utilized React/Redux to persist user messages to the PostgresQL database to maintain chat history between sessions.
- Optimized websocket traffic through bitwise compression techniques, increasing possible volume of users per server.

EXPERIENCE

Office Manager - *Baudendistel Physical Therapy*   May 2014 - Oct 2019
- Maintained the entirety of the clinic's recordbase through WebPT, Medisoft, as well as various other partner technologies.
- Utilized Affinity Creative Suite software to create clinical assets that exceed therapist and partner company standards.
- Rated top employee in authorization processing, ensuring an overall high in patient volume and consistency in patient care.
- Worked with therapists in building personalized care plans to meet unique patient needs.
- Trained and supervised new hires in adopting latest practices in both physical therapy and office work.
- Employed skills in HTML and CSS for employee records, service offerings, and additional info offered on company website.
- Managed and enforced schedule for clinical team of up to 6 employees.
- Used strong interpersonal skills to de escalate high-stress situations with frustrated clients recovering from painful injuries.

Office Clerk - *Santa Rosa Junior College Bookstore*   Oct 2006 - Jun 2010
- Utilized strong teamwork skills as a member in a team of 4, managing a college bookstore serving thousands of students.
- Handled all day to day operations including sales, customer correspondence, inventory, and accounting.
- Predicted and optimized semester to semester product inventory levels through company software to hit company goals.
- Used Adobe Creative Suite to create school promotional materials to spread awareness and participation in college events.
- Maintained a strong relationship with customer base by providing quality customer service.

EDUCATION

Software Engineering - *App Academy 2019*
Bachelor of Science: Kinesiology - *Sacramento State University 2014*
Associate in Science: Human Physiology - *Santa Rosa Junior College 2011*