Tom Hansen

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SKILLS

JavaScript • React • Redux • Angular 5 • Typescript • Ruby • Rails
HTML5 • CSS3 • jQuery • AJAX • PostgreSQL • SQL • Git • REST

PROJECTS

Stromble - *(React, Redux, Rails, Ruby)*   live | github
Social media platform that allows users to track running and biking data
- Leveraged Google Maps API to customize route building, enhancing user experience
- Optimized efficiency and scalability by implementing modular dropdown and modal components, loosely coupled with parent component
- Implemented infinite scrolling and pagination for browser efficiency

Quack-Man - *(JavaScript, Canvas, HTML5)*   live | github
HTML5 Canvas game inspired by Pac-Man
- Rendered complex maze using custom draw function to dynamically populate Canvas
- Customized collision algorithm by calculating relative vectors using objects on the board

EDUCATION

Full-Stack Web Development - *App Academy (Nov 2017 - Feb 2018)*
- Rigorous full-stack web development course, teaching JavaScript, React, Rails, SQL, algorithms, design patterns, and best programming practices

B.S in Computer Science - *SUNY Old Westbury (Aug 2012 - Dec 2016)*
- Data Structures & Algorithms, Software Engineering, Systems Design & Implementation

EXPERIENCE

Full Stack Developer - *Freelance (Mar 2018 - Present)*
Full stack application that pairs music to mixed drinks based on genre
- Utilized iTunes search API in conjunction with Spotify API to offer autocomplete suggestions and retrieve necessary song data
- Implemented caching to reduce external API calls, encouraging scalability