

YING ZHOU

Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Languages: Ruby, JavaScript, Python

Technologies: React/Redux, Ruby on Rails, HTML, CSS/SCSS, SQL, PostgreSQL, Express, Node.js, webpack, MongoDB

WEB APPLICATIONS / PROJECTS

sbotify (Ruby, Rails, React, Redux, AWS S3, PostgreSQL, HTML, CSS)

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

Full stack clone of Spotify

- Integrated RESTful API conventions between the frontend and backend, allowing seamless internal communication
- Recreated the play bar with similar playing functionality as the original Spotify player through a react audio library, allowing users to play music whilst navigating through other components.
- Engineered a dynamic search bar that retrieves matching songs to the query string as it changes, enhancing the user experience when searching for songs.

wizard world (Vanilla Javascript, Canvas, HTML, CSS)

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

A Javascript top-down shooter game inspired by the Journey of the Prairie King (Stardew Valley)

- Built an object-oriented class system using vanilla Javascript to control the movement of the player and the enemies.
- Incorporated the HTML5 Canvas element for smooth, scalable gameplay and animation.
- Established a pathfinding algorithm that dynamically calculates the shortest path from the enemy's current position to the player's position, enabling the enemies to track the player after spawning.

EXPERIENCE

Collectible (In development)

Full Stack Developer

Aug 2023 - Present

- Designed a user-friendly e-commerce platform with Agile development methodologies
- Optimized images and compacted code, increasing page loading speed by 20%
- Implemented user authentication and authorization mechanisms for secure user access

Study Buddies

Frontend Lead

Mar 2023 - Aug 2023

- Coordinated the interactive and visual elements as the frontend lead, increasing efficiency and teamwork.
- Implemented a responsive user interface using React and related technologies, resulting in a smooth transition between components.
- Designed a slideout component that displays the current user's sessions divided into tabs, making sessions related to the user easily accessible.
- Developed a date selector component that precisely retrieves study sessions based on the selected date, enabling users to filter relevant sessions.

CVS

Pharmacy Technician

Mar 2022 - Aug 2022

EDUCATION

APP ACADEMY

Graduated: April 2023

- Immersive software development program with a focus on full-stack web development
- Over 1,200 hours of coding experience, pair programming, and practical application

Stony Brook University

Graduated: May 2022

- Bachelor of Science, Specialization in Developmental Genetics