

MICHAEL SHIH

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Languages: JavaScript, Ruby, SQL, HTML, CSS

Tech: AWS, Rails, React, Redux, PostgreSQL, SQLite3, MongoDB, Express, Redis, CI/CD services, EMR systems

PROJECTS

Ravine-JS

[live](#) | [github](#)

A pure JavaScript game where you control a player on an island with enemies and try to survive as long as you can!

- **Pure JS** app only using **Canvas** manipulation and the browser environment
- Built a JavaScript application through an **object-oriented-programming** paradigm to create an engaging and addictive survival game
- Leveraged JavaScript's browser environment to design a game engine that could smoothly animate and update game entities and artwork on canvas
- Incorporated and developed an intuitive UI to communicate game objectives and user controls
- Applied and manipulated third-party independent art and music assets to fit into the application environment

D15CORD

[live](#) | [github](#)

A full stack clone of the popular chat-app, Discord

- Incorporated **ReactJS** with **Ruby On Rails** and applied **AWS S3** storage and Rails's **ActionCable** to facilitate live real-time chat rooms and image posts
- Applied and programmed distinct production environment logic to utilize **Redis** as an in-memory database to make the user's chat experience smoother and more responsive
- Designed the **Ruby On Rails** backend API to respond to fetch calls and return normalized JSON for the frontend's **react-redux** cycle

What-AI-Want

[live](#) | [github](#)

A team project using the MERN-stack workflow to create a webservice that allows users to curate lists to call OpenAI's API for quality image/avatar generation

- Led team of 3 other engineers to execute project goals within 5 days while collectively learning about **MERN-stack**
- Collaborated with dedicated backend engineer to develop an **Express** backend that could communicate with **OpenAI's beta API** for image generation
- Oversaw all **github workflows** for the team, hosting daily standups to ensure project progression, including proactively and securely handling any potential merge conflicts
- Managed frontend and backend collaboration by ensuring that both developers aligned on the datatypes during our project's concurrent frontend and backend lifecycles

PROFESSIONAL EXPERIENCE

CityMD Urgent Care, New York, NY

CLINIC SHIFT SUPERVISOR

April 2022 — October 2022

- Worked with management on the onboarding of new talent; implemented protocols and workflow improvements

SENIOR PATIENT SERVICES REPRESENTATIVE

February 2021 — March 2022

PATIENT SERVICES REPRESENTATIVE

April 2020 — February 2021

- Helped patients access the full range of CityMD services and referral network, including follow-up and aftercare
- Worked with patients across a diverse array of backgrounds with a focus on compassion, equity and inclusivity

ACADEMIC EXPERIENCE

AppAcademy, Software Engineering Coding Bootcamp, NYC, NY

May 2023

St. John's University, College of Liberal Arts and Sciences, Jamaica, NY

May 2019

B.S. IN BIOLOGY, B.A. IN PHILOSOPHY, minor in Chemistry