

MICHAEL SHIH

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[linkedin.com/in/michael-shih-smuushi](https://www.linkedin.com/in/michael-shih-smuushi) | github.com/smuushi | smuushi.dev

Languages: JavaScript, Ruby, SQL, HTML, CSS

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

Learning: TypeScript, Go, Docker, Kubernetes

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

D15C0RD

[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](#)

An intuitive website for custom avatar generator through OpenAI stable diffusion technology

- 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

ACADEMIC EXPERIENCE

App Academy, Software Engineering Coding Bootcamp, NYC, NY

May 2023

- 16 weeks of coding and collaboration to condense 4+ years of programming experience
- Regular testing, project deadlines and consistent professional-industry feedback

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

PROFESSIONAL EXPERIENCE

The Cliffs Climbing and Fitness, New York, NY

STAFF MEMBER & GUIDE

March 2022 – Present

- Contributed to member satisfaction and safety through modeling and implementing best community practices

CityMD Urgent Care, New York, NY

PATIENT SERVICE REPRESENTATIVE & CLINIC SHIFT SUPERVISOR

April 2020 – October 2022

- Worked with management on the onboarding of new talent; implemented protocols and workflow improvements
- Helped a diverse background of patients access the full range of CityMD services and referral network, including follow-up and aftercare through a focus on compassion, equity and inclusivity