MICHAEL SHIH

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Languages: JavaScript, Ruby, SQL, HTML, CSS
Skills: AWS, Rails, React, Redux, PostgreSQL, SQLite3, MongoDB, Express, Redis, CI/CD services, EMR systems

PROJECTS

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

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

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

HACKATHONS

ETHGlobal Waterloo 2023, Waterloo, ON, Canada
FOUNDERSVILLE
A showcase of utilizing ERC 6551 NFT standard for AI generative storytelling with digital assets
- Led a team to set project goals and execute on MVP features, and then worked with sponsors and partners to get feedback and qualify for prize bounties

PROFESSIONAL EXPERIENCE

CityMD Urgent Care, New York, NY
CLINIC SHIFT SUPERVISOR   April 2020 – October 2022
- On-site shift logistics/operations manager, directed full clinical teams of 12 or more employees, often seeing over **100+ patients** during peak pandemic time while effectively communicating site goals to a clinical team.

EDUCATION

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