

MICHELLE CHUNG

SOFTWARE ENGINEER

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San Francisco, CA

[LinkedIn](#)

[Github](#)

[Portfolio](#)

SKILLS

Languages: JavaScript, TypeScript, Python, Ruby, HTML, CSS, SQL | **Tools:** MongoDB, Mongoose, Supabase, Git, AWS S3, Postman, PostgreSQL, Trello | **Frameworks/Libraries:** React/Redux, Rails, Node.js, Next.js, Express.js, Tailwind

PROJECTS

Grub Globe | (JavaScript, Express.js, Node.js, MongoDB, React/Redux, Trello, AWS S3, CSS, Heroku)

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

A global social recipe explorer with AI chat bot and gamified recipe completion

- Enhanced application content by fetching, filtering, and structuring **Spoonacular API** recipe data into **MongoDB**, enabling personalized dietary preferences tailored to specific countries.
- Engineered review photo management in the app's API using **AWS S3**, enabling users to maintain previous uploads while adding new images, preserving content integrity, and enhancing user control.
- Collaborated with a team of engineers using **Trello** for backlog tracking to develop a system that tracks recipe completions, updates profiles, and visualizes badge progress, advancing user interactivity.

Event Me | (Ruby, Ruby on Rails, React/Redux, PostgreSQL, Webpack, Render, AWS S3)

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

A full-stack Eventbrite clone enabling event organization and ticket management

- Formulated a data model that separates user-created event ticket sales from attendee purchases, applying the **Model-View-Controller** pattern to enhance scalability and streamline transaction workflows.
- Architected asynchronous data processing system for real-time updates using **React/Redux** for event and ticket data across user interfaces and administrative dashboards, enhancing operational efficiency.

Cat Defense | (JavaScript, HTML, CSS, SCSS, Canvas)

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

Single-page tower defense game built with vanilla JavaScript and HTML canvas, featuring collision detection

- Devised a collision detection logic to manage unidirectionally moving enemy objects with static user-placed objects that shoot projectiles, enhancing gameplay mechanics.
- Integrated mouse input to track cursor movement and click events for cat placement with real-time **DOM** updates for currency deduction and position validation.

EXPERIENCE

Software Engineering Intern | (JavaScript, TypeScript, Next.js, Tailwind CSS, Supabase, Postman)

Stealth Startup - Dorsal AI

Sept 2023 - Dec 2023

- Developed a custom **RESTful API** leveraging data.sec.gov API to automate the retrieval of 10-K/Q financial reports using stock ticker symbols, enhancing operational efficiency and code reusability for future feature integrations.
- Designed a user dashboard in **Next.js** for the display of financial reports and earnings call transcripts, including features such as infinite pagination to enhance usability and ensure ease of access for users.
- Created utility functions for text highlighting and retrieval, allowing users to interact with and extract key information from financial documents and earnings call transcripts.
- Leveraged **Supabase** for backend services, including database management and storage, to manage earnings call transcripts and company filings, ensuring scalable and secure data handling in collaboration with one engineer.

Relationship Banker

Bank of America

Jul 2022 - Nov 2022

- Fostered strategic partnerships by connecting clients with specialized bankers, achieving a 20% improvement in client retention rates through personalized service delivery.
- Led the initiative to integrate AI-based banking tools like Erica and Life Plan into client services, increasing tool adoption and enhancing the bank's digital transformation efforts.

EDUCATION

University of Illinois Urbana Champaign - B.A. Consumer Economics and Finance, 2021

App Academy - Web Development Bootcamp, Jan 2023 - May 2023