

Michael Y Chen

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[GitHub](#) | [Blogs](#) | [LinkedIn](#) | [Portfolio](#)

Software Engineer

Fullstack Software Engineer with a passion for developing effective and secure web applications. With a background in customer service and proficiency in modern programming languages, I am eager to apply problem-solving skills in fast-paced technical settings and better the world through code.

TECHNICAL SKILLS

Ruby, Sinatra, Ruby on Rails, HTML, CSS, SQL, JavaScript, TypeScript, React and Redux

TECHNICAL PROJECTS

LFG Collab - [GitHub](#) | [Demo](#) -- Online project hub for real-time collaboration

- Utilized Redux for global state management and Bootstrap for front end design
- Integrated Websockets to provide real time peer-to-peer communication for teams
- Combined the Ruby on Rails API with React to deliver seamless user experience
- Incorporated React hooks to reduce number of concepts need to juggle

Health/Fitness Tracker - [GitHub](#) | [Demo](#) -- Streamlined health tracking application

- Built with Ruby and the Sinatra framework following MVC patterns
- Utilized the gold-standard BMI formula to calculate caloric intake
- Integrated OAuth gem to allow users to login with Google and GitHub
- Stored user information in a SQL database managed by ActiveRecord to track progress

Real Life RPG - [GitHub](#) | [Demo](#) -- Gamified task manager that rewards the users

- Built with Ruby on Rails to optimize maintainability and design flow
- Designed the client with Bootstrap to provide a smooth and modern user experience
- Managed data through complex forms and RESTful routes and input validation
- Authenticated users with Bcrypt for secure passwords and cookies for session management

Floppy Drop - [GitHub](#) | [Demo](#) -- Interactive browser game with global high-scores list

- Designed with Rails for back end API and JavaScript with HTML Canvas for the front end
- Queried the SQL database with ActiveRecord for instant saving and loading of scores
- Implemented customizable game interfaces with JavaScript classes catering to various user preferences
- Utilized CSS frameworks to provide a vintage game feel

EXPERIENCE

Photographer, **ProMotion Pix**

San Francisco, CA

Automotive dealership photography services

05/2018 - 02/2019

- Developed techniques to photograph/survey vehicles 15-20% faster leading to greater dealership sales
- Increased dealership sales by 30-50% through effective marketing using proprietary software

Sales Consultant, **Bestbuy**

San Francisco, CA

AT&T Expert/Mobile Specialist

01/2017 - 05/2018

- Maintained a Net Promoter Score of over 95%
- Increased revenue and recognition in the top 5th percentile of stores in the Bay Area district

EDUCATION

Flatiron School

03/2020

Software Engineering, Full Stack Web Development program

UC Santa Cruz, Santa Cruz, CA

2014-2015

Completed coursework in Economics