Michael Y Chen

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GitHub | LinkedIn | Portfolio | Blogs

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

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

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 simplify application logic

Floppy Drop - GitHub | Demo -- Interactive browser game with global high-scores list
- Built with Rails for backend API and JavaScript with HTML Canvas for the frontend client
- Designed 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

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
- Designed a SQL database managed by ActiveRecord to track user 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

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