

Vivian Yee

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EXPERIENCE

Software Engineer

April 2024 – Present

Teachable

New York, NY

- Collaborating with cross-functional teams in the Growth Revenue team to strategize and implement innovative monetization initiatives, driving revenue growth for the company as well as improving conversion rates to higher-tier paid plans for customers
- Utilizing knowledge of both Angular and React by participating in an active effort to migrate old deprecated code to a new modern separate micro-frontend service, enhancing Teachable's technical architecture
- Currently working on implementing a limit on third-party integrations, requiring users to purchase an add-on for unlimited app installations, introducing a whole new revenue stream while enhancing subscription value
- Developing a feature that restricts users under the free plan from selling or monetizing their courses created on the Teachable platform, encouraging upgrades to paid plans for full access to revenue-generating capabilities
- Implemented a paywall using React and TypeScript for users to allow them to auto generate subtitles for their videos for a fee and was able to increase revenue by \$60,000 in the first quarter of release

Software Engineer

June 2022 – August 2023

Rocket Mortgage

New York, NY

- Utilized TypeScript to craft three Angular web components that showcase the user's current loans, account executive, and company announcements on Rocket Mortgage's partner portal homepage, enhancing the overall user interface
- Implemented unit and end-to-end testing for Angular components and services using tools like Jasmine and Cypress
- Integrated Angular builds into a CircleCI pipeline to automate the testing and deployment process, streamlining the development lifecycle and providing a faster and more reliable deployment mechanism
- Developed a microsite that engages thousands of daily users, integrated with a WordPress CMS to simplify the content contribution process for the web application
- Contributed to the development and maintenance of the RocketProTPO website using WordPress, achieving a significant increase of 68,000 visitors in the site's monthly traffic

PROJECTS

Online Board Game - Food Wars

September 2023 – Present

- Currently creating a web application board game using Next.js, React, and Node.js for friends to play online
- Utilizing webhooks to enable real time updates, ensuring all players in the game contain the same seamless experience
- Managing database models and migrations using both PostgreSQL and Prisma, ensuring efficient data structuring, seamless game state and player updates, and optimized performance to support real-time multiplayer interactions

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Ruby, PostgreSQL

Web Development: React, Angular, Next.js, Node.js

Technologies: CMS (WordPress), CircleCI, Jest, Cypress, Jasmine, Postman, MongoDB, AWS, DataDog, New Relic

Methods: Agile Development, CI/CD, Git Version Control, Unit Testing, UX/UI Responsive Design

EDUCATION

B.S. in Computer Science and Applied Mathematics and Statistics: GPA: 3.57/4.0

Stony Brook University

New York, NY