Herman Xie

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SKILLS **React, Angular, JavaScript, TypeScript, Redux, Rxjs, TDD, HTML5, CSS3, SQL, Git, Node, MongoDB, Express**

PROJECTS

Fidelity Investments

Scenario Analysis (JavaScript, TypeScript, Angular, GraphQL, CSS3, Jest, Apollo, NodeJs, NestJs, Rxjs, Storybook)   [Live Site](#)
A side-by-side comparison of a financial plan using different scenarios to show if a plan could be better optimized
- Collaborated with a cross-functional team to deliver a full-stack application
- Tested all code with 100% line coverage including all branches of logic and callbacks
- Developed a dynamic and user-friendly frontend using Angular and TypeScript ensuring seamless user experiences
- Engineered a backend leveraging Apollo, NestJs, and NodeJs for RESTful API architecture and GraphQL as an API query
- Participated in agile ceremonies throughout the development of the application including planning, coding, testing, and deploying

Retirement Income Calculator (JavaScript, TypeScript, Angular,, CSS3, Jest, Rxjs, Storybook)   [Live Site](#)
A sandbox financial calculator to explore impacts to cash flow through interactive sliders and inputs
- Implemented a custom Angular directive that uses host listener events to execute code on keystrokes which were used to format inputs into dollar currency, lock out blacklisted inputs such as symbols and letters, and special key commands
- Coordinated with a team of new hires and successfully modernized a legacy application to output a production level application over a period of 3 months
- Increased productivity of Fidelity web page with >21% of unique Retirement Income Calculator users moving on to other Fidelity applications

Personal

YooToob (Ruby on Rails, JavaScript, React, Redux, CSS3, Webpack, PostgreSQL, AWS)   [Github](#)
A YouTube clone where users can upload videos, comment on them, and like videos
- Implemented a relaxed user authentication system that allows for anonymous users to browse and watch videos, but are locked out of uploading, commenting, and liking videos via React Router, passwords are encrypted through the use of BCrypt
- Designed a custom dropdown that uses event propagation to manipulate the display of an HTML5 element by firing a click event using event target and event current target for dynamic behavior based on user clicks
- Intertwined AWS S3 with the app to allow for extended storage of video files increasing project adaptability while maintaining contact security with AWS IAM

EXPERIENCE

Fidelity Investments   **Boston, Massachusetts**
Software Engineer   May 2021 - Dec 2024

Walgreens   **San Francisco, California**
Customer Service Associate   Jun 2019 - Aug 2019

EDUCATION

[App Academy](#)   **San Francisco, California**
Curriculum of Study in Web Development (Ruby on Rails and JavaScript)   August 2019; October 2019 – February 2020

University of California, Santa Cruz   **Santa Cruz, California**
Bachelor of Science in Biochemistry and Molecular Biology   Class of 2019