

Charles Tyra

Frontend Designer and Software Engineer

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I like to think of myself as a Swiss army knife in the workplace. Across contexts, I am willing to meet expectations, adapt to change and challenge, and grow from mistakes. As an early career software engineer, I am ready to not only meet but surpass expectations. A Studio Arts background helps to drive my aesthetic, detail driven, focus.

Proficiencies:

React, Ruby, Rails, JavaScript, Typescript, Java, C++, SQL, CSS, HTML, PostgreSQL, MongoDB, Express, Node, AWS, Git

Trip-It

MERN stack

A travel-planning web app allowing users to make trip decisions asynchronously. I designed the bespoke “travel-themed” user interface (UI) playing on the idea of postcards with complete a webpage path outline. Finishing up design and frontend, I headed the review and debugging for successful deployment of this collaborative project.

- Designed a bespoke “travel-themed” user interface (UI) playing on the idea of postcards for a collaborative trip planning web application including manually drafting assets to ensure consistent aesthetics and spacing when rendered on the frontend.
- Adopted an agile workflow for a highly optimized development sprint including daily standups to identify any challenges or blockers along with git for version control to meet a 10-day deadline.
- Leveraged strong coding knowledge and extensive detail work to navigate the team codebase conducting review, troubleshooting, and debugging for streamlining project sprint.

sahara

React, Ruby on Rails

A faithful re-render of the Amazon e-commerce website with an “Animal Crossing” product theme. Replicating proprietary assets required reverse engineering spec details from the original codebase. A perfect example of the lengths I’m willing to go to achieve a specific look and feel for the frontend.

- Crafted a truly pixel-perfect Amazon clone including reverse engineering particular digital assets from the proprietary codebase to ensure a heavily accurate, detailed recreation of the early 2023 website.
- Customized CSS selectors for dynamic and resizable website visuals to adhere to accessibility and user experience best practices.
- Utilized a Ruby on Rails backend paired with a React.js frontend in order to build a fully deployed full-stack website with AWS(S3) and PostgreSQL bucket storage for full CRUD functionality across the app.

Wild Wines

DETAILS ABOUT WHAT I DID, ‘SKILLS’ THAT ARE POSSIBLY RELEVANT OR BRAGADOCIOUS

Patti Anns

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EDUCATION & CERTIFICATES

Bard College, moderation into Studio Arts - Course concentration in Chem and Comp Sci
Coding Bootcamp, App Academy