

Ritz Wu

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Arts curator and full-stack developer with a passion for building projects at the intersection between art and technology. I am inspired by interface design, generative systems, and software for creativity and self expression.

Fluent in **Ruby** and **Javascript**.

I am proficient in **React** - including **Redux**, **React 360**, and **React Native**.

Server-side, I use **Rails** and **Sinatra** in Ruby, or **Node** and **Express** in JS.

For database management, I have experience with **SQLite**, **PostgreSQL** and **MongoDB**.

For imaging, I usually use **Figma**, **Sketch**, or **Adobe Creative Suite**.
Other platforms I've used are **Github**, **Heroku**, **JWT** and **Stripe**.

Skills

Recent Projects

Self Brand Outlet || Github **Node.JS** **Express** **React** **MongoDB**

- Developed demo e-commerce site using MERN stack, showcasing commodities that artists have designed and sold as a part of their practice.
- Designed and implemented user authentication, shopping cart, and checkout system.
- Integrated Stripe payment API, including Stripe Elements in frontend.

LocateHER || Github **React** **Redux** **Rails**

- Collaborated with team as technical lead to create a social networking platform for women in STEM to geolocate mentors.
- Created dynamic map marking users' locations using Google Maps API and React Geocoder API.

Semiotize || Github **React** **Redux** **Rails**

- Using Clarifai's cloud vision API, architected application matching user-uploaded images to a database of over 500 artworks.
- Scraped museum collection APIs for data, and enabled user uploaded images with Cloudinary API.
- Handled balancing image upload, image analysis, and generating matches with Rails API backend. Developed algorithm to sort matches by relevance to user image.

Gallerize || Github **React** **Rails** **React 360**

- Developed application for users to create a custom art gallery of images and text, projected in 3D using React 360, Reacts VR platform.
- Included image resize, drag-and-drop and full-screen view functionality in interface.
- Used JWTAuth to allow users to create accounts, and save artworks and their positions on the page.

Experience

Wu Chia Lu Foundation (Taipei) - Freelance Developer (Jan 2019)

- Redesigned and rebuilt interface for Foundation's website, featuring updated content and media.
- Designed custom CMS for website administrator to update information.

Independent Curator (London, UK) - Independent Curator (2016 ~)

- Developed concept and planning of arts exhibitions, publications, and projects from proposal to implementation, in collaboration with various institutions and other curators.
- Advocated for research and publicity of digital art projects, commissioned digital artworks and websites for exhibitions.