

Ritz Wu

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Self-motivated full-stack developer. Passionate about beautiful design, robust and performant code, and software for creativity.

New York University - BA French and Art History

Royal College of Art - MA Curating Contemporary Art

Flatiron School - Software Development Immersive

Languages:
Ruby and Javascript.

Front-end frameworks:
JQuery, React, Redux and React360.

Server-side frameworks:
Rails, Sinatra, Node, Express.

Database Tools:
Redis, MySQL, PostgreSQL and MongoDB.

Other integrations:
Bootstrap, Semantic UI, SASS, Github, Heroku, AWS, Stripe.


Imaging:
Figma, Sketch, Adobe Creative Suite.

Skills

Recent Projects

[Self Brand Outlet](#)  || [Github](#) [NodeJS](#) [Express](#) [React](#) [MongoDB](#)

- Designed and developed MERN stack demo e-commerce site with JWT user authentication, search, shopping cart, and checkout features.
- Integrated Stripe and Stripe Elements API in frontend to handle secure payment processing.

[LocateHER](#)  || [Github](#) [React](#) [Redux](#) [Rails](#)

- For hackathon aiming to increase gender diversity in STEM, collaborated with 5-person team to create a social networking platform for women to geolocate mentors.
- In 10 hours built functioning demo with Rails API backend and React/Redux frontend integrated with Google Maps API, featuring user authentication, search, and geolocation.

[Semiotize](#)  || [Github](#) [React](#) [Redux](#) [Rails](#)

- Using Clarifai's image detection API, architected application matching user-uploaded images to a database of over 500 artworks.
- Scraped 7 museum collection APIs for data, and enabled image upload with Cloudinary API.
- Designed algorithm to sort top image matches by relevance, and balanced 4-step chain for processing images in Rails API backend.

[Gallerize](#)  || [Github](#) [React](#) [Rails](#) [React 360](#)

- Developed application for users to create a virtual art gallery in 3D, integrated with React's VR platform.
- Built an interactive canvas editor where users could dynamically add, drag-and-drop, and resize text and images, which could be saved to the users' accounts.

Experience

[Wu Chia Lu Foundation](#)  (Taipei) - Freelance Developer (Jan 2019 - Feb 2019)

- Redesigned and rebuilt interface for scholarship foundation using React/Rails and deployed with AWS.
- Compiled data in archive spanning 25 years to RESTful database API.
- Trained staff to use custom CMS built to client specification.

Royal College of Art Students' Union, (London, UK) - Sabbatical Officer (2014 - 2016)

- Managed digital and print projects, including overhaul of Union website and marketing materials.
- Led team of 125 Masters and PhD student volunteers to run student representation system digitally and offline, gathering and reporting feedback to senior management.
- Led campaigns and organised over 15 events to promote better accessibility, diversity, and transparency across campus of 1,200 students.
- Twice elected by the student body and nominated by the Royal College of Art for the Aurora Women in Leadership Programme.