

# Ritz Wu

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**New York University** - BA French and Art History

**Royal College of Art** - MA Curating Contemporary Art

**Flatiron School** - Software Development Immersive

## Experience

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

- Accomplished rebuild of foundation's website by developing new interface with React/Rails and deployed with AWS, resulting in increased engagement from target audience and general public.
- Converted 25-year archive to API by compiling over 3000 student records, creating an up-to-date RESTful database for organisation's future use and reference.
- Built custom CMS to specification and trained staff to use it, facilitating proper management and better use of digital marketing for the client.

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

- Led team of 125 Masters and PhD student volunteers to run student representation system digitally and offline, gathering and reporting feedback to senior management to improve student experience.
- Organised campaigns over 15 events a year to promote better accessibility, diversity, and transparency across campus of 1,200 students.
- Managed digital and print projects, using Wordpress PHP knowledge to overhaul Union website and digital marketing materials, increasing engagement across Union channels by 500%.
- Twice elected by the student body and nominated by the Royal College of Art for the Aurora Women in Leadership Programme.

## Recent Projects

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

- Designed and built MERN stack demo e-commerce site, integrating features such as JWT user authentication, search, shopping cart, and checkout features to experiment with user flow design.
- Integrated Stripe and Stripe Elements API to handle secure payment processing, practicing implementation of cloud payment software.

LocateHER || Github React Redux Rails

- Acted as technical lead in 5-person team during hackathon encouraging gender diversity in STEM. Led the design and development of 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

- Architected web application using Clarifai's computer vision API to match images uploaded by users to a database of over 500 artworks, inviting users to see the shared motifs in their photos and artwork.
- Scraped 7 museum collection APIs for data, constructed image uploader with Cloudinary API.
- Designed algorithm to sort top image matches by relevance. Balanced 4-step chain for generating matches to images in Rails API backend, increasing processing speed by 50%.

Gallerize || Github React Rails React 360

- Built application for users to create their own virtual art gallery, featuring a dynamic canvas editor with add/delete, drag-and-drop, and resize, and save-to-account functionality for text and images.
- Upgraded user interface with advanced features, such as the ability to render users' galleries in 3D by integrating React 360.

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 and tools:  
**Bootstrap, SASS, Github, Heroku, AWS, Stripe, Figma, Sketch, Adobe Creative Suite.**

**Skills**