

Full-stack Ruby/Javascript developer, proficient in ReactJS, Redux, and Ruby on Rails. My background in arts curation, with a particular focus in new media art, shapes my passion for web development. I am inspired by the points of contact between the experimental and critical approaches in art and the creativity required to build robust, well-designed interfaces.

## EDUCATION

Flatiron School - Software Engineering Immersive, 2018

Royal College of Art – MA Curating Contemporary Art, 2012-2014 \*with distinction

New York University - BA French Culture and History, BA Art History, 2008-2011

Université de Paris I - Panthéon-Sorbonne - Exchange with NYU, 2009-2010

## SKILLS

Languages	Ruby, Javascript, SQL
Libraries/ Frameworks	Ruby on Rails, React, React 360, React Native, Node.js, Redux, Sinatra, ActiveRecord, Express
Database	SQLite, MongoDB, PostgreSQL
Imaging	Figma, Sketch, Adobe Creative Suite
Other	Github, Heroku, JWT

## TECHNICAL PROJECTS

### LocateHER – [Github](#) | [Demo](#)

A single platform for mentorship opportunities and networking events aimed at women starting a career or a business in STEM.

- Developed a Rails API backend with endpoints for events, users, and community stories.
- Implemented front end with React and Redux
- Co-designed user interface and layout, using Semantic-React for styling
- Used Google Maps API and React Geocoder to create dynamic map, geolocating other users' within app.
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side.

### Semiotize – [Github](#) | [Demo](#)

Using image recognition technology, this app matches a photo submitted by the user to over 500 works of contemporary and historic photography, finding common signs and symbols that have been used.

- Scraped collection APIs of international art museums for artwork images and data.
- Developed a Rails API backend that streamlined the process from image upload to generating associations with artworks.
- Used Cloudinary API to allow users to upload their own images to a server.
- Analysed images for visual motifs using the Clarifai API and its computer vision AI platform.
- Designed and implemented interface with React and Redux, which allowed users to upload and associate their works to famous artworks, view others' submissions, and browse details of the entire artwork collection.
- Employed React Router DOM to generate unique links to each user's image and its associations, so it could be shared.

### Gallerize – [Github](#) | [Demo](#)

This app encourages users to tell a story through curation, and share their connection to great works of art. Selected artworks and custom texts are positioned onto walls, which are then rendered in a 3D virtual gallery space.

- Scraped museum collection APIs and Unsplash API for artwork images and data.

**RITZ  
WU**

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# RITZ WU

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- Developed user interface using React, including special features such as image resize, drag-and-drop functionality, and full-screen view functionality.
- Used JWT, JSON web tokens and local storage to allow users to create accounts, log in, and save their artwork and its position on the page.
- Integrated user interface with virtual gallery built with React 360, Reacts VR platform.

## EMPLOYMENT HISTORY

Web Developer (Freelance), Wu Chia Lu Foundation - Taipei, Taiwan

\* Dec 2018- in progress

- Redesigned layout and interface for the Foundation's website in both English and Chinese
- Edited and optimised images for web using Photoshop
- Developed website using HTML, CSS, Javascript (React)
- Implemented CMS for website administrator to update information

Independent Curator - London, UK \*2012 - 2017

- Developed concept and planning of arts exhibitions, publications, and projects from proposal to implementation, in collaboration with various institutions and other curators.
- Worked closely with artists and audiences to generate dialogue and develop ideas surrounding creativity and its role in society.
- Created online and print promotional material of projects in collaboration with graphic designers and technicians.
- Advocated for research and publicity of digital art projects, commissioned online artwork and website for major graduate exhibition.

President, Royal College of Art Students' Union - London, UK

\*Aug 2014- Aug 2016

- Ran student government, leading 170 volunteers to gather and report student feedback to university committees and to senior management.
- Assisted Union's business operations in HR, administration, strategic planning, and project management.
- Designed and project managed the Union website, transforming it from a blog into a platform for students to access information on events, representation, and Union services and facilities.
- Planned and delivered events, including large-scale exhibitions, balls, festivals, fairs, and smaller lectures, town hall meetings, and workshops.
- Designed or worked closely with designers to produce pamphlets, posters, and other promotional material.

## SELECTED PUBLICATIONS

Value for money - resources, hidden costs, and the student contract - Westminster Higher Education Forum Seminar, London, UK, 2015

The Complete Works of Yoko Toda, Tsu, Japan, 2011

## LANGUAGES

US Citizen. Native English speaker, fluent in Chinese, proficient in French and Japanese.