

# STELLA WONG

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**SKILLS:** Ruby, Rails, Redux, React, SQL, AWS, JavaScript, D3.js, HTML5, CSS3

## PROJECTS

### Rhymestein (Ruby, Rails, React, Redux, HTML5, CSS3, AWS, Youtube API)

[Live Site](#)

*A fullstack single-page RapGenius clone where users can write poems, add photos, and annotate their favorite works.*

- Ensured user privacy through frontend and backend authentication measures using BCrypt for password hashing, and React Router to allow users to access and make changes to poems when logged in.
- Used AWS to implement user image uploads, host photos remotely, reduce server load, and allow for scalability.
- Reduced server load through Active Record associations to extract data from multiple tables in a single query.
- Utilized Redux architecture's unidirectional data flow with React for predictable state and reliable DOM rendering.
- Implemented Youtube API player for user to add video and audio recordings.

### Female Literacy (JavaScript, HTML5, CSS3, D3)

[Live Site](#)

- Designed dynamic data visualization in force-directed graph to render the economic and health correlates of two generations of female literacy rates across the globe.
- Customized node size as weighted by data, applied CSS pseudoselectors to enhance health indicator labels.
- Implemented algorithm for collision detection, simulated physical forces on particles using D3.js API.
- Listened for tick events to render data points as nodes in SVG graphics system, updating in real time.

## EXPERIENCE

### Adjunct Professor, University of Iowa (Iowa City)

2017-2019

- Designed curriculum and taught lectures for 48 undergraduates in poetry, rhetoric and literature.

### Harvard University Press, Sales Department Assistant (Cambridge)

2016

- Managed internal database of 4,600 print ISBNs. Leveraged SEO keywords for Autumn/Winter 2016 catalogue.
- Expedited communication between Sales Manager, Director and other departments, customers and vendors.

### IMG Artists, Artist Management Intern (New York)

2014

- Evaluated logistics for opera companies, orchestras, and instrumentalists' tours, reviewed technical riders.
- Interpreted as French-English translator for Luxembourg sites. Translated Lincoln Center library opera scores.
- Administered and updated the IMG website, upgraded and enhanced artists' social media accounts.

### Harvard and Radcliffe Musical Outreach to Neighborhood Youth (HARMONY), Director

2012-2015

- Coordinated individual music lessons for 100 low-income students from local public elementary schools.
- Organized annual concert with 20 performances. Managed and allocated annual \$5,000 activities budget.
- Created an organization-wide shared music library and database using Cloud Computing tools.

## EDUCATION

### App Academy

2019

- Immersive software development course with focus on full stack web development

### Iowa Writer's Workshop

2016-2018

- M.F.A. in Poetry
- Phlughapft Fellowship in Creative Writing, Stanley Graduate Award for International Research

### Harvard University

2012-2016

- A.B. in English with a secondary in Global Health and Health Policy
- Hoopes Prize for Outstanding Senior Thesis; Lloyd Blankfein Family Scholarship