

# Jessica Yao

40 Greenridge Ave White Plains, NY • 10605

E-MAIL [jessicayao3981@gmail.com](mailto:jessicayao3981@gmail.com) • CELL (914) 393 – 3799



[GitHub](#) • [LinkedIn](#) • [Website](#)

## Projects

**Ripple** (Ruby on Rails, React/Flux)

[Link](#) • [GitHub](#)

*A user friendly project creation and fundraising app inspired by Kickstarter*

- Integrates Amazon Web Services and Paperclip to handle large volumes of picture uploads
- Designed custom SQL queries that allow for fetching of project data in a time efficient manner
- Features dynamic status bar using PGSearch that can search for project by title or author

**Beginner's Piano** (Javascript, jQuery)

[Link](#) • [GitHub](#)

*Browser-based game that teaches simple piano songs built using Flux*

- Incorporates a recorder on the frontend by creating track objects that store key information
- Produces sound using AudioContext objects that respond to user's key inputs

**Wrapper** (Ruby)

[GitHub](#)

*Uses DOM nodes to generate jQuery-like objects and jQuery-like methods*

- Manipulates DOM elements using a small library

## Skills

**Ruby, Ruby on Rails, JavaScript, jQuery, React, Flux, SQL, Git, HTML, CSS**

## Education

**UNIVERSITY OF ROCHESTER** (May 2010 – Dec 2013)

*B.S. in Biochemistry*

- GPA 3.77/4.0, Dean's List 7 of 7 eligible semesters, Graduated Cum Laude
- Sigma Psi Zeta Sorority, Inc.'s Vice President and JSA's Department Liaison

**APP ACADEMY** (Feb 2016 – April 2016)

*Web development*

- App Academy is a rigorous 1000-hour full-stack web development course
  - Has a 3% acceptance rate
- Covered Rails, SQL, JS, React, TDD, algorithms, single-page apps, and pair-programming

## Work History

**REGENERON PHARMACEUTICALS, INC.** (Fall 2008 – Summer 2014)

*Research Intern*

- Tested the effects of genetically engineered bacteria for the development of a pharmaceutical drug
- Presented research on genetic engineering for orphan diseases at WESEF
  - Won the Future of Medicine Award