

Xiao-Qiao “Sherry” Zhou

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PROJECTS

Instacation

instacation.cssherry.com

[GitHub](#)

- Allows user to view photo albums by location using Google Maps API in a Backbone app consuming RESTful JSON Rails API.
- Uses the Cloudinary API to compress full size images for faster display of thumbnails.
- Extends Backbone with a CompositeView class to control simultaneous templates that share data. An ‘addSubviewFront’ method appends subviews to the correct end of a parent view when the user adds albums and photos.
- Album search updates results in real-time when new filters are applied using Select2 library.

Exploding Numbers

cssherry.com/explodingnumbers

[GitHub](#)

- A responsive online math game inspired by tetris, displayed using HTML5 Canvas and Fabric.js for object oriented graphics.
- Registers clicks on Fabric.js groups through event listeners and stores corresponding number objects for comparison with solutions from separate Equation class.
- Equation class generates random equations always solvable using numbers on the screen.

Chess

cssherry.com/chess

[GitHub](#)

- Console Ruby game with a board that uses standard chess naming and contains cells shaded with the colorize gem.
- Classes for chess pieces inherit from different parent classes (SlidingPiece or SteppingPiece) depending types of allowed moves.
- Serializes the board state as a YAML file to save and load games.

SKILLS

Ruby • Ruby on Rails • JavaScript • Node • jQuery • Backbone.js • SQL • git • HTML • CSS
AngularJS (learning) • C (learning) • MATLAB

EXPERIENCE

Program Analyst

National Institutes of Health

August 2012 - August 2014

- Taught myself JavaScript to write Google scripts (a JavaScript variant) to automate confirmation of over 150 ENCODE Consortium Meeting registrations and establishing internal collaborations.
- Designed, created, and updated graphics illustrating the locations of 30+ ENCODE groups and publications of 800+ ENCODE-funded and community papers.
- Co-authored two publications in *Nature* ^{1,2}.

Webmaster/Media Tech

Yale University

Sept. 2009 – May 2012

- Reorganized and maintained website for the Asian American Cultural Center (AACC) with a combination of self-taught HTML, CSS, and Dreamweaver.
- Launched a weekly newsletter of events by the 50+ affiliated ethnic and cultural groups.
- Learned Adobe Photoshop/Illustrator to lead workshops on Adobe Photoshop as a media specialist in web design and provide technical support to Yale community.

EDUCATION

App Academy

San Francisco, CA

Sept. 2014 - March 2015

- Full-stack web development course with acceptance rate < 5%.

Yale University

New Haven, CT

Sept. 2008 - May 2012

- B.S. in Molecular, Cellular, and Developmental Biology. GPA 3.4