

Work History

Codesters Project Programmer / Curriculum Designer

[06/14 - 11/14]

Developed first modular Python curriculum to complement Common Core Math in middle and high school curricula
Created programs that seamlessly have been incorporated in their pilot year to inspire students to develop their skills into full projects

Won NYU Stern's "Best New Social Venture" for 2014 along with my six Codesters collaborators

ZAMR UX Designer

[12/13 - 05/14]

Designed the first web-based app to use a Spaced Repetition System to teach SAT Subject Test material

Tutor Associates Front-End Designer / Tutor

[08/13 - 11/14]

Created the design for the company's first Django app, which filters tutors based on search criteria

Projects

Idiot (Rails, Backbone)

tt | Github

Persists annotations' highlighted text areas by reading DOM's `selection` object and recursively comparing the offsets of DOM elements that wrap the text.

Consumes third-party APIs to load song information, artwork, and music

Leverages Backbone to create a one-page app that implements user authentication and CRUD with no page reloads

Lil Wizards (Javascript, HTML5 Canvas/Gamepad)

Live | Github

Creates custom coordinate and collision box classes which utilize trigonometric functions to easily create particles and manipulate velocity/direction

Utilizes the HTML5 Gamepad API to create four player support and responsive menus

Develops a modular spell system making it easy to create new spells while maintaining DRY code

Designs a camera which leverages HTML5 Canvas to minimize screen redraws and allow magnification and player following

Chess (Ruby)

Github

Deeply duplicates the board to validate every move

Utilizes YAML to create an auto-save system and allow players to store old games

Skills

Ruby, RSpec, Rails, Javascript, Backbone.js, jQuery, HTML5, CSS, SQL, Git, Java,
Python, Adobe Photoshop

Education

Cornell University

[08/09 - 06/13]

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