

## Work History

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- Codesters** Project Programmer [ 06/14 - 11/14 ]  
Developed first modular Python curriculum to complement Common Core Math in middle and high school curricula  
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 implementing a Spaced Repetition System to teach SAT Subject Test material
- Tutor Associates** Front-End Designer [ 08/13 - 11/14 ]  
Created the design for the company's first Django app, which filters tutors based on search criteria

## Projects

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- Idiot** (Rails, Backbone) **Live | Github**  
*Informative annotation app lovingly modeled after Genius.com*  
Recursively compares DOM's `selection` object offsets to persist annotations  
Consumes AWS S3, Paperclip, Spotify APIs  
Leverages Backbone to create a one-page app with user authentication and CRUD
- Lil' Wizards** (Javascript, HTML5 Canvas/Gamepad) **Live | Github**  
*An online multiplayer game in which little wizards cast spells and fight for dominance*  
Creates custom physics engine, utilizing collision and effect classes for smoother gameplay  
Utilizes the HTML5 Gamepad API to create four player support and responsive menus with PS3/XBOX controllers  
Metaprograms a modular spell system making it easy to create new spells while maintaining DRY code  
Designs a camera which minimize screen redraws while allowing magnification and player following
- Chess** (Ruby) **Github**  
*A fully-functional version of Chess, runnable from your console program of choice*  
Deeply duplicates the board to validate every move  
Utilizes YAML to create an auto-save system and allow players to store old games

## Skills

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

## Education

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- Cornell University** [ 08/09 - 05/13 ]  
B.A. Computational Biology, B.A. Theater Arts  
GPA: 3.5  
Relevant Coursework: Multivariable Calculus, Linear Algebra, Object-Oriented Programming and Data Structures

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