

Work History

Codecademy Head of Curriculum Design, Manager [09/16 - Present]

Established curriculum design function at Codecademy to ensure technical accuracy, scalability, and outcome achievement in all new courses

Designed curricula and engineered content types for company's first intensives (outcome-focused multi-week programs) in Website Design (**HTML + CSS**), Front-End Development (**React**), and API Design (**SQL + ExpressJS**), averaging **95% outcome achievement** rates and **doubling company revenue**

Built testing frameworks for better evaluation of learners' HTML, CSS, and JavaScript code via **syntax-tree parsing, traversal, and comparison**, replacing the use of strict regexs

Google Technical Lead, Software Engineer [03/15 - 09/16]

Created **technical design documents** and implemented **full-stack features** in X-Force, a proactive customer support tool for medium- and large-scale businesses, generating **millions of dollars in support revenue**

Acted as **technical lead of 7-person engineering team**, providing mentoring and opportunities for professional and promotional growth

Performed user interviews and designed features, resulting in a **three times increase in user satisfaction** (HATS)

Codesters Curriculum Designer [06/14 - 11/14]

Developed 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

Personal Projects

Lil' Wizards (Javascript, HTML5 Canvas/Gamepad)

Created an online multiplayer game in which little wizards cast spells and fight for dominance

Live | Github

Custom physics engine, particle rendering and zoomable camera system

Four player support via keyboard, Playstation, and Xbox controllers

The Flying Doctor by Moliere (over and over)

Founded a theater company, FlexCO, and directed a NYTimes-reviewed musical adaptation of Moliere's earliest written work

Skills

JavaScript, Express, Node, React, Mocha / Chai,
Jasmine, jQuery, Angular 1.X, Backbone, HTML5,
CSS3 (Flexbox, Grid), SQL, Python,
SQLAlchemy, Google App Engine, Ruby, Rails, RSpec,
Git, Java, Adobe Photoshop, Sketch

Education

Cornell University

B.A. Computational Biology
B.A. Theater Arts

[08/09 - 05/13]