Michael Doliner

Work History

Codecademy Head of Curriculum Design, Manager, Software Engineer   [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)   **Live | Github**
Created an online multiplayer game in which little wizards cast spells and fight for dominance

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 NY Times-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   [08/09 - 05/13]
B.A. Computational Biology
B.A. Theater Arts