# Michael Doliner

## Work History

**MongoDB** Senior Product Manager on MongoDB University                     [ 04/19 - 01/20 ]

Lead team of **7 senior engineers** in updating all MongoDB University curriculum to teach **bleeding-edge MongoDB features** using improved, **research-validated pedagogical techniques**

Created **analytics database, pipelines, and dashboards** to provide continuous content health metrics for all education material

**Codecademy** Head of Curriculum Design, Manager, Software Engineer                     [ 09/16 - 03/19 ]

Established and lead **curriculum design** department 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)

## 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, HTML5, CSS3 (Flexbox,  Grid), MongoDB, SQL, Python, SQLAlchemy, Google App Engine, Git, Adobe Photoshop, Sketch

## Education

**Cornell University**                     [ 08/09 - 05/13 ]
B.A. Computational Biology
B.A. Theater Arts

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