

Experience

Quill.org New York, NY
Software Developer Sep 2017 – Present

Worked on significant backend architecture overhaul for Rails/React site with over 750k active students; improved efficiency of SQL queries from 30 seconds down to milliseconds; fostered a culture of care for code quality, integrating new testing frameworks and massively increasing test coverage, resulting in precipitous decline in production bugs; built features like a referral program, co-teaching functionality, and extensive data reporting for teachers

Quill.org New York, NY
Software Development Intern February 2017 – April 2017

Invited to be first paid intern for edtech nonprofit backed by Gates Foundation, Google.org, and others after making open source contributions; implemented dozens of new features on the web application with over 350k active learners; highlights include autogenerated PDFs w/ student login info and a dashboard for grading millions of student responses

Higher Learning Technologies Iowa City, IA
Software Development Intern May 2016 – August 2016, May 2017 – August 2017

Worked on Rails app with over 100k daily active users; audited API consumption to reduce resource usage; implemented new checkout flow to increase conversions; developed custom quizzes feature to dynamically generate quizzes based on user criteria; contributed to cross-functional growth and design sprint teams

Codecademy Remote
Learning Advisor (part-time) December 2016 – May 2017

Helped students work through tricky technical exercises and projects, teaching and reinforcing best practices; provided mentorship in areas like Ruby, Rails, JavaScript, SQL, and more; developed greater understanding of where learners get tripped up when using online educational software

Oppia Foundation Remote
Strategic Partnerships Lead (volunteer, open source) November 2016 – Present

Led a team of half a dozen open source contributors in improving our messaging and user journeys; created the first version of OppiaFoundation.org, our website for partnership outreach; reviewed open source contributions from a UX perspective and provided direction to new contributors; represented Oppia at the Google Summer of Code Summit

EdSurge Independent Remote
Fellow, Editor & Community Coordinator (part-time) January 2017 – January 2018

Selected as a Fellow and then selected to help run program that brings together the world's most impressive students who care about improving education; convened over 30 students to meet weekly, receive mentorship from leading education executives and academics, and share their perspectives with readers of the EdSurge Independent publication

Freelance Software Development (part-time) March 2011 – Present

Worked with dozens of startups to design and develop a wide variety of websites and applications; select technologies include Ruby, Rails, Postgres, MySQL, PHP, Node, React, and Heroku; also ran a small digital marketing business with tens of thousands of users and millions of page views whose assets I sold off to help pay for college

Writing & Speaking

Delivered a TEDx talk; was featured twice on Medium's homepage for my writing about the future of education; got published in places like EdSurge and the New York Observer for other stories about education and tech startups

Education

Babson College (dropped out) Wellesley, MA
B.S. Business Administration Candidate, 3.89 August 2015 – December 2016

Presidential Scholar (awarded to top 1% of applicants on basis of academic and extra-curricular achievement); co-founded Babson Community of Developers & Entrepreneurs (CODE); ran marketing for CODE and grew it to one of the most engaged clubs on campus; taught web development during CODE breakout sessions; attended five hackathons and won "Most Useful to Students" for edtech project at PennApps XV; dropped out because it was not sufficiently challenging and too many other opportunities arose for furthering my mission in education technology