

Experience

AR UX Engineer for Google	New York, NY	Apr 2018 - Present
<ul style="list-style-type: none">Designed and built the first augmented reality experiences on YouTube.Led UX engineering for v1 of the AR Beauty Try-on format.Built the production implementation of the UI for the AR Beauty Try-on format.Led UX engineering on an internal AR authoring tool.Led UX engineering on Google Lens for Web, integrating visual search capabilities across Google's web services.		
Founder, Designer, & Developer for Out Here Studio	Cambridge, MA	Jul 2017 - Present
<ul style="list-style-type: none">Designed and developed a 5-star iPhone and iPad augmented reality game using ARKit and Unity.Pioneered novel mobile mixed reality environment interaction design.		
Senior Designer & UI Engineer for Sidekicks	Cambridge, MA	Oct 2016 - Jun 2017
<ul style="list-style-type: none">Designed, developed, and shipped a new, vastly improved version of the Sidekicks autism therapy desktop web application, written in JavaScript using React and Firebase.Overhauled the company's user interface design system.		
Head of Sales and Strategy for Grove	Somerville, MA	Apr 2016 - Jun 2016
<ul style="list-style-type: none">Led the sales & marketing team to reach a \$600K revenue goal that unlocked an investment tranche of \$1.2M.Led fundamental customer discovery and market research.		
Lead Software Engineer for Grove	Somerville, MA	Jan 2014 - Jun 2016
<ul style="list-style-type: none">Built the software design and engineering teams from the ground up; managed as many as 10 people when the teams were at their largest.Architected and implemented two generations of real-time Internet of Things systems, spanning embedded and server platforms, written in C++ and Node.js, respectively.Developed and shipped a native iOS application written in Swift for v2 of the Grove Ecosystem.Ran a successful Kickstarter campaign, selling 125+ units at over \$3.3K each, securing over \$410K in revenue.Designed, developed, and shipped a mobile web application written in JavaScript with React for v1 of the Grove Ecosystem.Developed and operated internal dashboards for tracking engagement metrics and communicating with customers.Designed the company's internal leadership and decision making framework.Designed and developed three generations of the company website.		
Embedded Systems Engineering Intern for Vecna	Cambridge, MA	Jun 2013 - Aug 2013
Lab Assistant for 6.00 - Intro to CS and Programming	MIT	Sep 2012 - May 2013
Student Teacher for MIT China Education Technology Initiative	Dalian, Wuhan, & Wuxi, China	Jun 2012 - Jul 2012
Research Assistant for Mediated Matter Group	MIT Media Lab	Oct 2011 - Dec 2011

Volunteer Experience

Lead Instructor for America on Tech	New York, NY	Sep 2020 - Present
Mentor for Pursuit	New York, NY	Jul 2020 - Present
Mentor for Reality Virtually Hackathon	Cambridge, MA	Jan 2019
Mentor for Resilient Coders	Boston, MA	Jul 2017 - Jan 2018
Mentor for NodeSchool Boston	Boston, MA	Oct 2016 - Oct 2017
Director for Technology Chapter Alumni Association	Boston, MA	Aug 2014 - Feb 2017
Mentor for HackMIT	Cambridge, MA	Sep 2015, Sep 2016
Co-organizer for Boston Urban Agriculture Meetup	Boston, MA	Jul 2015 - Jun 2016
Co-organizer for Boston Meteor Meetup	Boston, MA	Nov 2014 - Sep 2015
President for Delta Upsilon Technology Chapter	Boston, MA	Aug 2013 - Dec 2013
Vice President for MIT Interfraternity Council	Cambridge, MA	Nov 2011 - Oct 2012
Research Assistant for Dept. of Computer Science	USAFA	Sep 2010 - May 2011

Education

Massachusetts Institute of Technology	Aug 2011 - Jun 2014
Bachelor of Science in Electrical Engineering and Computer Science (6-2) Concentration in Comparative Media Studies Gordon Engineering Leadership Program Undergraduate Practice Opportunities Program Delta Upsilon & Theta Tau Fraternities	
United States Air Force Academy	Jun 2009 - Jul 2011
Transferred to MIT after sophomore year Studied Computer Engineering CS-26 and CS-11 Cadet Orchestra Blue Bards - Pit Orchestra Ultimate Frisbee Club Team	
Kingwood High School	Aug 2005 - May 2009
National Honor Society Varsity Swimming Varsity Track & Field Orchestra Beta Club	