

Education	Massachusetts Institute of Technology , Cambridge, MA	June 2018
	Electrical Engineering and Computer Science	GPA: 5.0/5.0
	18.440 / Probability	6.01 / Intro EECS
	6.005 / Software Construction	6.006 / Intro Algorithms
	6.036 / Intro Machine Learning	6.858 / Computer Systems Security
	Phillips Exeter Academy , Exeter, NH	June 2014
Work	Nasdaq — <i>Software Engineering Intern</i>	6/15–8/15
	Designed and built Python backend of prototype for file management and collaboration product	
	Determined and coded algorithm to trigger custom stock price alerts, then tested on historical data	
	Somu Energy — <i>Director of Product Innovation</i>	12/14–1/15
	Researched and designed solar-powered central charging station for household battery packs in Nepal	
Leadership	TechX — <i>ProjX committee</i>	9/15–present
	Developing website to showcase MIT student projects and tools to facilitate mentorship and funding	
	MIT Market — <i>founder</i>	8/15–present
	Creating web platform for MIT community to learn about and upvote student projects	
	MSA Mentorship — <i>co-director</i>	5/15–present
	Organizing monthly conferences for ambitious high school students, hosted at MIT, Harvard, and Tufts	
	Harvard-MIT Math Tournament — <i>webmaster</i>	9/14–present
	Developing new site layout and managing content updates	
Research	Senseable City Lab , MIT	9/15–present
	Analyzing collaboration among MIT faculty by relating publication, communication, and office location data	
	Space Systems Lab , MIT	9/14–12/14
	Benchmarked and improved vision software merging frames from 6 camera feeds on SPHERES satellites	
	Seung Kim Lab , Stanford	3/14–6/14
	Crossed, dissected, and imaged new <i>Drosophila</i> fruit fly stock lines with fluorescence gene biomarker	
	Program for Research In Mathematics, Engineering and Science , MIT	2/13–9/13
	Established mathematical definitions and classified families of permutations for new equivalence relations	
	Computational Biochemistry Lab , Univ. North Dakota	10/11–3/12
	Wrote C program to simulate peptide structure in varying conditions and compare results	
Publications	Vahid Fazel-Rezai. Equivalence Classes of Permutations Modulo Replacements Between 123 and Two-Integer Patterns. <i>Electronic Journal of Combinatorics</i> , 21(2):#P47, 2014.	
Awards	MIT Web Programming Competition	4th Place & Most Responsive Design 2015
	William Lowell Putnam Mathematical Competition	50th place, Honorable Mention 2014
	Asian Pacific Math Olympiad	Bronze Medal 2014
	Intel Science Talent Search	Semifinalist 2014
	Intel International Science and Engineering Fair	Fourth Award in Mathematics 2011
	USA Junior Math Olympiad	6th place, Winner 2011
Languages	Python, JavaScript, Node, Angular, HTML, CSS, SQL, MongoDB, Java, Git, C++, MATLAB, LaTeX, French	