

<http://vahid.io>

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Education	<b>Massachusetts Institute of Technology</b> , Cambridge, MA Electrical Engineering and Computer Science, 5.0 GPA 6.01 / Intro EECS 6.003 / Signals and Systems 6.006 / Intro Algorithms <b>Phillips Exeter Academy</b> , Exeter, NH Linear Algebra  Work	18.03 / Differential Equations 6.004 / Computation Structures 6.036 / Intro Machine Learning  Electronics Cryptography  <b>Nasdaq</b> – <i>Software Development Intern</i> Design and build backend of new Flask web app prototype, perform customer interviews Analyze historical stock prices to define and code real-time thresholds for dashboard alerts in web product <b>Somu Energy</b> – <i>Director of Product Innovation</i> Research and design solar-powered central charging station for household battery packs in Nepal <b>Art of Problem Solving</b> – <i>Grader</i> Grade and give written feedback for online programming and math problems	18.440 / Probability 6.005 / Software Construction 6.170 / Software Studio  June 2014 Intro Real Analysis  6/15–8/15 12/14–8/15 9/14–12/14
Leadership	<b>MIT Market</b> – <i>founder</i> <b>MSA Mentorship</b> – <i>co-director</i> <b>Harvard-MIT Math Tournament</b> – <i>webmaster</i>		2015 2015 2014–2015
Research	<b>Space Systems Lab</b> , MIT Benchmark and improve vision software merging frames from 6 cameras on SPHERES satellites <b>Seung Kim Lab</b> , Stanford Cross, dissect, and image new <i>Drosophila</i> stock lines with inserted gene for fluorescence <b>Program for Research In Mathematics, Engineering and Science</b> , MIT Establish definitions and classify families of permutations for novel equivalence relations <b>Computational Biochemistry Lab</b> , Univ. North Dakota Write C program to simulate peptide structure in varying conditions and compare results		9/14–12/14 3/14–6/14 2/13–9/13 10/11–3/12
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.  Presented at 2014 Mathematical Association of America Undergraduate Student Poster Session		
Awards	MIT Web Programming Competition William Lowell Putnam Mathematical Competition Canadian Math Olympiad Asian Pacific Math Olympiad Intel Science Talent Search Intel International Science and Engineering Fair USA Junior Math Olympiad	..... 4th Place & Most Responsive Design ..... 50th place, Honorable Mention ..... 7th place, Honorable Mention ..... Bronze Medal ..... Semifinalist ..... Fourth Award in Mathematics ..... 6th place, Winner	2015 2014 2014 2014 2014 2011 2011
Languages	Python, C++, JavaScript, Node, Angular, HTML, CSS, SQL, MongoDB, Java, Git, MATLAB, LaTeX, French		
Projects	<a href="http://vahid.io">http://vahid.io</a>		