Vahid Fazel-Rezai

(701) 741-6564 — vfazel@mit.edu — http://vahid.io

Education	**Massachusetts Institute of Technology**, Cambridge, MA — June 2018

Massachusetts Institute of Technology, Cambridge, MA   June 2018
S.B. in Computer Science and Engineering, S.B. in Math, M.Eng. in EECS

6.869 / Advances in Computer Vision	6.806 / Advanced NLP	6.170 / Software Studio
6.875 / Cryptography & Cryptanalysis	6.867 / Machine Learning	6.034 / Artificial Intelligence
6.172 / Performance Engineering	6.828 / Operating Systems	6.046 / Analysis of Algorithms

Teaching Assistant: 6.170 / Software Studio, 6.006 / Intro to Algorithms

Phillips Exeter Academy, Exeter, NH   June 2014

Work

Rockset — *Software Engineer*   6/18—expected

Stripe — *Software Engineering Intern*   5/17—8/17
Improving network routing, monitoring, and deployment for backend services
Building infrastructure to scale up continuous integration system

Hudson River Trading — *Winter Intern*   1/17
Worked on infrastructure and algorithms for automated trading in financial markets

Google — *Software Engineering Intern*   5/16—8/16
Built web component in AdWords to display ad performance estimates in real-time
Decreased latency of backend services by migrating to improved tech stack

Nasdaq — *Software Engineering Intern*   6/15—8/15
Designed and implemented an algorithm to trigger stock price alerts, validated by testing on historical data
Designed and built Python backend of prototype for file management and collaboration product

Leadership

KPCB Fellows Program — *Engineering Fellow*   6/17—8/17

Eta Kappa Nu (HKN) Honor Society — *Secretary*   4/17—current

TechX SpecialX — *Director*   3/17—current
Head of committee that explores novel events and programs to promote tech at MIT

TechX ProjX — *Director*   3/16—3/17
Head of committee that provided support for over 100 student projects, overseeing $40K budget

Publications

Kockel et al. A Drosophila LexA Enhancer-Trap Resource for Developmental Biology and Neuroendocrine Research. *G3: Genes, Genomes, Genetics*, Aug 2016.

Vahid Fazel-Rezai. Equivalence Classes of Permutations Modulo Replacements Between 123 and Two-Integer Patterns. *Electronic Journal of Combinatorics*, 21(2):#P47, 2014.

Awards

CHIMEHACK	Facebook Social Good Prize Winner	2017
YHack	Datto 4K Challenge Winner	2015
William Lowell Putnam Math Competition	50th place, Honorable Mention	2014
Canadian Math Olympiad	7th place, Honorable Mention (IMO alternate)	2014
Intel Science Talent Search	Semifinalist	2014
USA Junior Math Olympiad	6th place, Winner (MOSP participant)	2011

Languages   Python, Java, C++, JavaScript, Node, Dart, React, Angular, HTML, CSS, SQL, Mongo, MATLAB, Farsi, French