

Education

Massachusetts Institute of Technology (MIT), Cambridge, MA Jun 2015
Candidate for B.S. in Electrical Engineering & Computer Science, Mathematics
GPA: 4.8 / 5.0
Relevant Coursework: Software Construction, Intro to Algorithms, Computation Structures, AI, Probability Theory, Digital Communications Systems, Micro/Macroeconomics, Finance Theory I, Differential Equations, Linear Algebra

Henry M. Gunn High School, Palo Alto, CA Sep 2008 – Jun 2011
GPA: 3.98 / 4.00, SAT: 2330, ACT: 35; *Newsweek* Top 50 High School

Experience

Redline Trading Solutions, Woburn, MA Jun 2012 – Aug 2012
Software Development Intern

- ▶ Developed methodology to capture and send UDP packets of recorded market data from US equity exchanges through Redline's feed handler, allowing SQA to test without reliance on live on-site data machines
- ▶ Introduced server/client system that handles requests to send market recordings via the internal network, essentially acting as an in-house simulated exchange; programmed using C
- ▶ Learned the workings behind Redline's industry-leading feed handler & execution gateway

MIT | Computer Science and Artificial Intelligence Laboratory (CSAIL), Cambridge, MA Sep 2011 – Dec 2011
Undergraduate Research (UROP)

- ▶ Improved systems for the automated detection and extraction of news reports related to cyber security
- ▶ Categorized articles from various sources and make them available to the general public via a RSS feed
- ▶ Implemented Common Lisp to clip articles, perform algorithms, categorize data, and store into MySQL database

Compilr Oct 2011 – Dec 2011
Software Development Intern

- ▶ Built a Java Applet that will provide a console-styled interface to Java console applications that can be loaded via URL, which enhances the functionality of Compilr's online IDE/Compiler platform
- ▶ Worked remotely with two other team members via an SVN repository integrated into Eclipse IDE

Wilky Designs | Web Design & Marketing Business, Palo Alto, CA Apr 2008 – Jun 2011
Founder, Lead Designer

- ▶ Launched a creative marketing business by helping non-profits, universities, small businesses and schools achieve their goals while simultaneously enhancing technical proficiency in HTML/XHTML & CSS

Texas Tech University | Clark Scholars Program, Lubbock, TX Jun 2010 – Aug 2010
Research Intern, Department of Chemical Engineering

- ▶ Selected as one of twelve students out of 180 applicants to participate in a 7-week paid research internship
- ▶ Developed and tested methods to optimize the encapsulation of biopharmaceuticals within sporopollenin (pollen)

Activities

Traders@MIT Oct 2011 – Present
Executive Board Member

- ▶ Works with eleven-member exec board to organize and host exclusive networking events with firms
- ▶ Plans annual intercollegiate trading competition that attracts over 90 competitors from 10 top schools
- ▶ Helps teach a 6-unit course in the Spring semester, Intro to Trading, which focuses on a variety of trading concepts

LitPick LLC, Cambridge, MA Dec 2011 – Present
Startup Team

- ▶ Develop logical and technical aspects of this education startup with group of Harvard undergraduates
- ▶ Promotes literacy by partnering with publishers to bring books to a community of young adult student reviewers

Skills

Programming: *Advanced:* C/C++, Python, Java, HTML/CSS; *Proficient:* Lisp, Scheme, R, MATLAB, Django
Hobbies: Traveling, sailing, basketball, watching football, eating out, web design

Awards & Honors

- ▶ Stanford University Entrepreneurship Bootcamp Participant 2012
- ▶ Harvard College i3 Innovation Challenge Semifinalist 2012
- ▶ AP National Scholar (eleven Advanced Placement tests) 2011
- ▶ Intel Science Talent Search Semifinalist 2011
- ▶ Toshiba/NSTA ExploraVision Awards Regional Winner 2011
- ▶ Silicon Valley Engineering Council Scholarship Award 2011
- ▶ FBLA CA State Leadership Conference – 1st in Banking & Financial Systems, 2nd in Business Math 2011
- ▶ 3x Qualifier for the American Invitational Mathematics Examination (AIME) 2010