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| Education | Washington University in St. Louis 2009 - Present MD/PhD Student, Medical Scientist Training Program |
| | Massachusetts Institute of Technology 2005 - 2009 Bachelor of Science in Computer Science and Engineering Bachelor of Science in Biology |
| Experience | Google, Inc. Software Engineering Intern New York, NY Summer 2008 • Developed extensible plugin framework for Google Research Datasets, a project aimed at storing, distributing, and analyzing large scientific datasets |
| | The MIT Tech Newspaper Editor in Chief, Other Positions Cambridge, MA 2006-2009 • Managed MIT's student newspaper, including \$400,000 in assets and a large staff of reporters, columnists, and editors • Coordinated MIT and <i>Tech</i> counsel to address legal issues facing the newspaper • Project lead of the redesign of <i>The Tech</i> 's website, integrating over 50,000 single-page PDF scans of old <i>Tech</i> publications using O.C.R. data |
| | MIT Chemistry Department Teaching Assistant, Tutor Cambridge, MA 2006-2007 • Served as a one-on-one tutor for introductory chemistry courses (2006) • Taught undergraduate recitations on mechanistic biochemistry and received an overall perfect teaching evaluation from my students (2007) |
| Research | Nagarajan Lab, Washington University in St. Louis Summer 2010 • Identified conserved miRNA binding elements in selected human tumor cells |
| | Gordon Lab, Washington University in St. Louis Summer 2006/2007 • Designed a system to analyze a diverse set of cross-species microarray experiments • Developed algorithms to analyze ion cyclotron resonance (FT-ICR) mass spectrometry data |
| | Reisch Lab, Harvard Medical School Summer 2004 • Worked on computational models to assess the validity of portions of the "Out of Africa" hypothesis based primarily on single nucleotide polymorphisms |
| Awards | Rickover Medal of Excellence, Research Science Institute at MIT Summer 2004 • Winner of the Rickoid of the Year award at the Research Science Institute, given to the student possessing the academic, intellectual, and personal qualities embodying the ideals of RSI |
| | Intel International Science and Engineering Fair • Multiple Grand Awards, including 1st Place Grand Awards Winner for "Using Bioinformatics to Analyze the Effects of Single Nucleotide Polymorphisms on Disease" • Two time winner of the Intel Excellence in Computer Science Award and the Herbert Hoover Young Engineer Award for Best Engineering Project |
| | Speech and Debate • Double qualifier to the National Forensic League Tournament, Policy Debate Team captain, numerous debate awards including "Best Speaker," Mock Trial closing attorney |
| Business | Founder & Executive Director, ClinDesk, Inc. 2012-Present • A non-profit corporation established to expand patient's access to medical knowledge (via ClinDesk.org) and advance open medical education (at WhiteCoatAcademy.org) |
| | Founder, Syndetics, LLC 2001-Present • Provide a variety of security-oriented computer and network services |