

	Employment
	Google Inc.
2015-16	YouTube Subscriptions Growth (San Bruno, CA) <ul style="list-style-type: none"> <li>• Software engineer on growth team for member acquisition, retention, user satisfaction.</li> <li>• Led team effort to use machine learning for scalable automated copy testing and selection; contributed to machine learning for several use cases.</li> <li>• Led promotion implementation for rollout to Australia and New Zealand.</li> <li>• Co-authored 3 growth platform ideas accepted to patent by Google legal; lead author on 1.</li> <li>• Implemented platform features; initiated formal data push process; created tools for speeding up promotion development; organized team documentation.</li> </ul>
2011-15	DoubleClick Digital Marketing (New York, NY) <ul style="list-style-type: none"> <li>• Key member of DoubleClick Reporting (<a href="http://ddm.google.com/analytics/dfa/">ddm.google.com/analytics/dfa/</a>) product team.</li> <li>• Led client-side implementation of Insights product, a beautiful reporting dashboard which automatically surfaces marketing campaign insights to clients of DoubleClick advertising.</li> <li>• Co-launched and iteratively enhanced reporting products; integrated new data sources; data pipeline building, frontend and programmatic API development.</li> <li>• On-call rotation for deployment and release management.</li> <li>• Architected an in-app messaging solution used in four DoubleClick products by 2015.</li> </ul>
	Two Sigma Investments (New York, NY)
2010-11	Index arbitrage initiative <ul style="list-style-type: none"> <li>• Developed pipeline for daily model-building over US ETFs.</li> <li>• Tuned latency of tactic from 30 to 6 us per order.</li> <li>• Developed performance reports; daily trading setup and monitoring; machine setup.</li> </ul>
2009	High frequency broker-dealer platform development <ul style="list-style-type: none"> <li>• Designed and developed daemons and reporting module.</li> </ul>
2009-10	Options Symbology Initiative (OSI) <ul style="list-style-type: none"> <li>• The OSI was an industry-wide upgrade to US option tickers to allow the introduction of options that expire on any day with decimal strike prices. Led firmwide data upgrade.</li> </ul>
2008	Sponsored access trading <ul style="list-style-type: none"> <li>• Designed and developed high-frequency broker execution module.</li> <li>• Prepared launch in coordination with technical representatives from a broker and an exchange.</li> </ul>
2007-09	Data engineering, operations, infrastructure <ul style="list-style-type: none"> <li>• Designed and developed providers of bookdata to simulations.</li> <li>• Designed, developed and maintained jobs for data ingestion and cleaning.</li> <li>• On-call rotation for maintaining data SLA on secmaster, corporate actions, tickdata, etc.</li> <li>• Contributed to development of in-house data analysis environment; refactoring initiatives.</li> </ul>
	Siemens Medical Solutions (Malvern, PA)
2006-07	Soarian Clinicals R&D <ul style="list-style-type: none"> <li>• Soarian Clinicals is a healthcare information system for hospitals. Key member of a large global team (200+ people) tasked with migrating legacy C++ platform to new architecture.</li> <li>• Ported features; organized systemwide integration testing; data model migration planning.</li> </ul>

2005-06	Soarian Enterprise Systems Test <ul style="list-style-type: none"> <li>Designed and implemented tool to parse healthcare claims using JavaCC.</li> <li>Proposed, designed and implemented web-based system for managing workflow tests.</li> </ul>
2004	Intern, Common User Interface Architecture <ul style="list-style-type: none"> <li>Worked on tool to showcase common UI widgets; charged with organizing developer documentation.</li> </ul>

Carnegie Mellon University (Pittsburgh, PA)
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2002-05	Programmer (Biology, Robotics); Peer Tutor; Teaching/Course Assistant for introductory and intermediate programming courses.
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Education
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2005	B.Sc Computer Science, University and College Honors, Carnegie Mellon (Pittsburgh, PA) Mathematics minor; Senior Honors Thesis using information retrieval and machine learning.
2001	Cambridge Advanced Levels (grade: 5A), Taylor's College (Subang Jaya, Malaysia) Biology, Chemistry, Physics, Mathematics, General Paper.

Certifications
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2016	MS&E240 Accounting for Managers and Entrepreneurs, Stanford University (grade: A)
2016	Google Machine Learning Crash Course with TensorFlow APIs
2016	Statistical Learning, Stanford Online
2014-15	John Hopkins Coursera Data Science series (average grade: 100%)
2007	Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0

Awards
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2012	DoubleClick Quarterly Innovation Award
2006	Siemens 3i Award
2003-04	Merck Computational Biology and Chemistry Research Grant
2000-01	Full Merit Scholarship, Taylor's College
1999	Dato Pilus Gold Award, Sri Cempaka School (high school valedictorian)

Community
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2012-15	Jersey City Brunch Book Club meetup: Founder, organizer
2014	Google Women Engineers New York: monthly lunch organizer

Languages
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Coding: Java, C++, JavaScript, Python, Perl, HTML, CSS, SVG, R, JavaCC, sed, Lisp, SML. English, Malay, conversational Hokkien, elementary Mandarin, elementary German.

Personal
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Interests: dancing, swimming, books.