

Cole Diamond

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EDUCATION

Harvard University: School of Engineering and Applied Science SM, Computational Science and Engineering	Cambridge, MA 09/2014 – 05/2015 (Expected)
Columbia University: School of Engineering and Applied Science BS in Computer Science: Artificial Intelligence. Minor in Economics GPA: 3.7 Overall, GRE: 167 (V), 165 (Q)	New York, NY 05/2013
John L Miller Great Neck North High School Valedictorian. SAT (2360 / 2400), All-State Cellist, 14 AP Courses (National AP Scholar)	Great Neck, NY 06/2009

HONORS

President, Association of Computing Machinery at Columbia University Orchestrate all events, speaker series, fund allocation and operations of the ACM Chapter at Columbia University.	2012
HackNY Fellow, Grant recipient One of thirty students selected to participate in a highly competitive program that pairs aspiring engineers with startups and engages fellows in a series of mentoring lectures from venture capitalists and entrepreneurs	2011

EXPERIENCE

Microsoft, Seattle, WA PROGRAM MANAGER, AMP NEWS TEAM	09/2013 – 09/2014
<ul style="list-style-type: none">• Played an instrumental role in managing resources and synergizing efforts of engineers across development, test and design disciplines to create feed-aggregating infrastructure to power a local news application• Architect, orchestrated and shipped a search feature for the new msn• Managed strategic relationships with a top news provider to specify logistics and cement process flow for feed ingestion of audio media	
LSR Consulting, Great Neck, NY SOFTWARE ENGINEER, COMPUTER VISION	01/2014 - Present
<ul style="list-style-type: none">• I consult on computer vision problems alongside a former Professor of mine at Columbia, Dr. Austin Reiter• Built an engine to render three-dimensional models from segmented images of lesions built using poisson surface reconstruction. I used OpenGL to create a C++ application that enables translation, panning and zoom on a textured 3D model of a lesion.	
Dorm Room Fund, New York, NY INVESTMENT TEAM, PARTNER	03/2013 - 08/2013
<ul style="list-style-type: none">• Selected from a pool of hundreds of applicants to serve on First Round Capital's Dorm Room Fund investment team that oversaw the allocation of \$500,000 into student-run startups• Sourced deal-flow, and led business development efforts for the inaugural New York City team• Served as deal lead for the investment into Databetes Inc., and managed the process from inception to closing.	
BlackRock, New York, NY PORTFOLIO ANALYTICS GROUP INTERN	05/2012 - 08/2012
<ul style="list-style-type: none">• Streamlined workflow and produced enhancements to in-house analytics tools• Coordinated with the Municipal Bond Portfolio Managers to construct a VBA-based inventory surveillance tool.• Introduced critical safeguard into the analytics production jobstream to backup factor parameters in case of data corruption• Released embedded perl script to graphically depict night jobs dependency hierarchies using the graphviz library.	

COURSEWORK AND CORE COMPETENCIES

Graduate Level	Machine Learning, Artificial Intelligence, Quantum Computing, Compilers, Computer Networks Computational Robotics, Databases, Natural Language Processing, Advanced Scientific Computing, Bayesian Analysis, Quant Analysis of Capital Markets, User Interface Design, Computer Vision
Undergraduate Level	Computational Linear Algebra, Physics: Mechanics and E&M, Multivariable Calculus, Discrete Mathematics, Accounting & Finance, Macro & Microeconomics, Statistics & Probability, General Chemistry, Intro to Electrical Engineering, Calculus IV, Econometrics, Financial Economics, Advanced Programming
Programming Languages	Ruby, Python, MATLAB, C/C++, Java, SQL, HTML/CSS, Javascript/JQuery, Objective C