

# Cole Diamond

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## EDUCATION

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

## HONORS

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**President,** Association of Computing Machinery at Columbia University 2012  
Orchestrate all events, speaker series, fund allocation and operations of the ACM Chapter at Columbia University.  
**HackNY Fellow,** Grant recipient 2011  
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

## EXPERIENCE

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**Microsoft,** Seattle, WA 09/2013 – 09/2014  
PROGRAM MANAGER, AMP NEWS TEAM  
• 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 01/2014 - Present  
SOFTWARE ENGINEER, COMPUTER VISION  
• 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 03/2013 - 08/2013  
INVESTMENT TEAM, PARTNER  
• 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 05/2012 - 08/2012  
PORTFOLIO ANALYTICS GROUP INTERN  
• 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

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<b>Graduate Level</b>	Machine Learning, Artificial Intelligence, Quantum Computing, Compilers, Computer Networks Computational Robotics, Databases, Natural Language Processing, Advanced Scientific Computing, Bayesian Reasoning, Quant Analysis of Capital Markets, User Interface Design, Computer Vision
<b>Undergraduate Level</b>	Computational Linear Algebra, Discrete Mathematics, Accounting & Finance, Macro & Microeconomics, Statistics & Probability, Calculus IV, Econometrics, Financial Economics, Advanced Programming
<b>Programming Languages</b>	Ruby (6 years), Java (6 years), Python (5 years), C/C++ (4 years), SQL (4 years), HTML/CSS (4 years), Javascript/JQuery (4 years), MATLAB (3 years), Objective C (1 year), R (1 year), LISP (1 year)