

Cole Diamond

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EDUCATION

Columbia University: School of Engineering and Applied Science New York, NY.
BS in Computer Science: Artificial Intelligence. Minor in Economics Expected 05/2013
GPA: 3.8 Overall.
John L Miller Great Neck North High School Great Neck, NY
Valedictorian. SAT (2360 / 2400) 06/2009

HONORS

Deans List 2009-Present
HackNY Fellow 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
Treasurer, Association of Computing Machinery at Columbia University 2011
Member of the executive board of Columbia University's ACM Chapter in charge of fund allocation.
Associate Principal Cellist, Columbia University Orchestra 2010
Seated second in the Columbia University orchestra and earned All State Honors as a cellist in High School.

EXPERIENCE

Gilt Groupe, New York, NY 05/2011 - 08/2011
SOFTWARE ENGINEER INTERN

- Designed and implemented an admin content management tool for Gilt's daughter company, Park and Bond, using the Ruby on Rails framework powered by PostgreSQL in tandem with MongoDB.
- Assisted in writing and debugging JSPs and Java Servlets for the backend of the Park and Bond website.
- Developed a proprietary, in-house API for interfacing JSPs with SOLR sourced data for the purpose of searching and querying product data from the Park and Bond database.

JP Morgan, New York, NY 06/2010 - 08/2010
RISK MANAGEMENT INTERN

- Assisted team in integrating SQL and Business Objects Software to build a dashboard enabling exposure tracking of a database of financial positions.
- Helped write Technical Specification Reports, Business Specification Reports and Architecture Proposals for the software to streamline compliance validations on financial data.
- Analyzed counterparty and credit risk via the RiskMetrics monitoring platform.

Applied Physics and Mathematics Department, Columbia University 06/2009 - 08/2009
RESEARCH ASSISTANT: MACHINE LEARNING

- Applied Bayes Theorem to implement the Expectation Maximization Algorithm in MATLAB on a spreadsheet of artifact data. The objective was to correlate artifacts with their origin given a specific artifact facet or grouping of artifact facet. Statistical models were generated from covariance data and other MATLAB-assisted output.

COMPUTER SKILLS

Programming Languages	Proficiency:	Java 6.0 (6 years), Python (3 years) and Ruby (2 years), especially in context of the Django and Rails Frameworks, HTML/CSS/JQuery (4 years), SQL (2 years), C/C++ (2 years)
	Experience:	MongoDB (1 year), Perl (1 year), XML (1 year) and Protocol Buffers (1 year).
	Websites:	Founder, sole developer and CEO of GreekGavel.com, Matchu.me and MealMecca.com