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 — 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
Seated second in the Columbia University orchestra and earned All State Honors as a cellist in High School.

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.

National AP Scholar, John L Miller Great Neck North High School — 2009
Earned scores of 4 or 5 on 14 Advanced Placement College Board examinations

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
- Assisted in writing and debugging JSPs and Java Servlets for the backend of the Park and Bond website
- Developed and interfaced elements of an API for interfacing JPS 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 MANAGER INTERN

- Leveraged SQL and Business Objects Software to built a dashboard to enable exposure-level tracking of a database of financial positions. Hooked the dashboard with the RiskMetrics platform to dynamically feed real-time data to the dashboard.
- Wrote Technical Specification Reports and Architecture Proposals for a computer-based system to streamline compliance validations on financial data.
- Accrued experience with the Bloomberg terminal and Excel in order to model and observe trends in the market.

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

- Used Bayes Theorem along with MATLAB to implement the Expectation Maximization Algorithm 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:	Perl (1 year), XML (2 years) and Protocol Buffers (1 year).

Websites

Matchu.me:	Founder and sole programmer. Django-based “digital wingman” that matches mutually-interested Columbia students, all anonymously.
GreekGavel:	Cofounder and sole programmer. Social networking platform for university affiliated fraternities and sororities. Will launch in Fall of 2011.