Cole Diamond

18 Mitchell Drive, Great Neck, NY 10024 • 516-996-7037 • cid2105@columbia.edu

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: 3.7 Overall

John L Miller Great Neck North High School | Great Neck, NY
Valedictorian. SAT (2360 / 2400), All-State Cellist, National AP Scholar | 06/2009

HONORS

Deans List, Columbia University | 2009-Present
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
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

BlackRock, New York, NY | 05/2012 - 08/2011
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.

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.
- Enhanced a proprietary API for interfacing JSPs with SOLR sourced data

JP Morgan Chase & Co., 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.
- Analyzed counterparty and credit risk via the RiskMetrics analytics platform.

Applied Physics and Mathematics Department, Columbia University | 06/2009 - 08/2009
RESEARCH ASSISTANT: MACHINE LEARNING
- Implemented the Expectation Maximization Algorithm in MATLAB on a spreadsheet of artifact data.
- Used clustering algorithm in combination with Expectation Maximization to correlate artifacts with their origin given a specific artifact facet or grouping of artifact facet.

COMPUTER SKILLS

Programming Languages	Proficiency:	Java 6.0 (6 years), Python (3 years) and Ruby (3 years), Django and Rails Frameworks, HTML/CSS/JQuery (4years), SQL (3 years), C/C++ (3 years), MATLAB (2 years)
	Experience:	MongoDB (1 year), Perl (2 years), PHP (1 year) and Redis (1 year)
	Websites:	Co-Founder of Stakd.com, GreekGavel.com, Matchu.me and MealMecca.com