

Tarik Adnan Moon

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| CONTACT INFORMATION | 446 Hill St San Francisco, CA 94114 | Voice: (617) 359-2770 Web: tarikmoon.com | E-mail: tarik@tarikmoon.com linkedin.com/in/tarik-moon |
| EDUCATION | Harvard College A.B. degree in applied mathematics with computer science Senior Thesis Topic: Turning Big Data into Small Data: Hardware Aware Approximate Clustering with Randomized SVD and Coresets G.P.A: Major: 3.80/4.00, Overall: 3.52/4.00 Relevant Courses: Database Systems, Machine Learning, Data Science, Visualization, Computer Vision, Parallel Computing, Probability Theory, Data Structures and Algorithms, Robotics, Stochastic Processes, Honors Abstract Algebra (Math 55), Honors Real Analysis, Theory of Rings and Fields, Theory of Computation, Microeconomic Theory | Cambridge, MA May 2015 | |
| EXPERIENCE | Entertainment Data Oracle (EDO) <i>Senior Data Scientist</i> Developing products aimed at the entertainment (TV and film) industry. Solving problems such as movie release date scheduling, optimal advertisement planning, and creating tools for better execution in the entertainment marketing sphere. Goldman Sachs: IMD AIMS Strategies <i>Summer Analyst</i> Developed an analytics platform for creating portfolios of hedge funds and long only managers. Developed and implemented several portfolio optimization algorithms and visualization tools to semi-automate the strategy selection and asset allocation process with the platform. Collaborated to create a multi factor risk model with Lasso. eBay Inc. <i>Data Scientist Intern</i> Developed a geolocation based product recommendation system. Used eBay's hadoop-scala platform for doing analytics research and training machine learning models. Designed an ensemble learner using clustering, random forests along with the collaborative filtering techniques. Implemented the system in production with C and Python. Harvard University <ul style="list-style-type: none">Department of Computer Science <i>Teaching Fellow: Data Science (CS 109/ Stat 121)</i>Department of Mathematics <i>Course Assistant: Multivariable Calculus (Math 21a)</i>Department of Physics <i>Course Assistant: Mechanics and Relativity (Physics 15a) Laboratory</i> | San Francisco, SF June 2015 - Present New York City, NY June 2014 - August 2014 New York City, NY June 2013 - August 2013 Cambridge, MA Aug. 2014 - Dec. 2014 Sept. 2012 - Dec. 2012 Jan. 2012 - May 2012 | |
| COMPUTER SKILLS | <ul style="list-style-type: none">Languages: Python, C, C++, SQL, JavaScript (D3, jQuery), PHP, Scala, RParallel Computing: MPI, CUDA, EC2, Elastic Mapreduce, Hadoop (Scalding)Scientific Computing: Matlab, Mathematica. Python: Numpy, Scipy, Pandas, ScikitApplications: L^AT_EX, Adobe Photoshop, Adobe LightroomOperating Systems: Unix/Linux, Windows | | |
| HONORS AND AWARDS | Bronze medal at the 51 st International Mathematical Olympiad (IMO) Honorable mention at the 50 th International Mathematical Olympiad (IMO) Absolute winner at the Bangladesh National Mathematical Olympiad | 2010 2009 2006, 2010 | |
| ACTIVITIES | Harvard Applied Mathematics Society – Secretary Harvard Club Cycling Team – Member, Social Chair Harvard South Asian Association (SAA) – Publicity Chair (2013-14) Bangladesh Mathematical Olympiad – Academic counselor and problem setter The Harvard Crimson – Data analytics team executive (2013-14) Bangladesh National Math Camp – Chief trainer for the national math team | | |
| INTERESTS | Photography, Cycling, Music, Recreational mathematics, Public speaking | | |