

Tarik Adnan Moon

CONTACT INFORMATION	389 Eliot House Mail Center Cambridge, MA 02138 USA	Voice: (617) 359-2770 E-mail: tmoon@college.harvard.edu
EDUCATION	Harvard College Cambridge, MA USA A.B. with anticipated concentration in mathematics and computer science. May 2015 Relevant Courses: (Fall '12) Theory of Computation, Probability, Microeconomic Theory. Completed: Honors Abstract Algebra, Theory of Rings and Field, Honors Real Analysis. Kushtia Government College Kushtia, Bangladesh Graduated with G.P.A 5.00/5.00 and class rank 1/350. July 2010	
HONORS AND AWARDS	Bronze medal at the 51 st International Mathematical Olympiad 2010 Honorable mention at the 50 th International Mathematical Olympiad 2009 Absolute winner at the Bangladesh National Mathematical Olympiad 2006 & 2010	
EXPERIENCE	Harvard University Cambridge, MA USA • Department of Mathematics September 2012 - present <i>Course Assistant: Multivariable Calculus (Math 21a)</i> Plan and conduct problem solving sessions for a section of 30 students. Help students in the Math Question Center (MQC). Create content for the course. • Department of Physics January 2012 - May 2012 <i>Course Assistant: Mechanics and Relativity (Physics 15a) Laboratory</i> Supervised students during their laboratory work. Mentored two groups of undergraduate students to design and conduct final experiment projects with Matlab and Logger Pro. BdMO Online Forum <i>Site Administrator and Founder</i> 2010 - present Developed the largest online educational forum in Bangladesh using HTML and PHP. Implemented jsMath for rendering $\LaTeX$ outputs. Led several online problem solving marathons. Bangladesh National Math Camp Dhaka, Bangladesh <i>Trainer and Mentor</i> 2010, 2011, Summer 2012 Taught geometric transformations, synthetic geometry, and number theory. Worked as the chief mentor and trainer of the national math team. Project PEN <i>PEN Global team member</i> 2009 - 2011 Collaborated with an international team of number theory problem solvers for collecting and writing papers on challenging problems in elementary number theory.	
ACTIVITIES	Harvard College Undergraduate Research Association (HCURA) – Programming Committee member. Harvard Crimsound – A cappella singer. Bangladesh Mathematical Olympiad – Academic counselor and problem setter. Kushtia Zilla School Debating Club – President.	
PUBLICATION	Moon, Tarik Adnan. 2010. “The Apollonian Circles and Isodynamic Points”. Mathematical Reflections 6 (2010).	
COMPUTER SKILLS	• Scientific applications: Mathematica, Matlab, Logger Pro, Cabri Geometer Plus. • Languages: Python, HTML, CSS, and some experience with C, PHP. • Applications: $\LaTeX$, Adobe Photoshop, Adobe Lightroom, Microsoft Office. • Operating Systems: Unix/Linux, Windows.	
INTERESTS	Photography, Music, Public Speaking, Web Development.	