

**Rahul Rajagopalan**  
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#### Education

**Massachusetts Institute of Technology, Cambridge MA.**      **Graduation: June 2013**  
Candidate for B.S degree majoring in Computer Science and Engineering  
**Marriotts Ridge High School, Marriottsville, MD**      **2005 - 2009**  
Graduated with 4.74 weighted, 4.0 unweighted GPA, Class rank 1

#### Experience

**Undergraduate Research Opportunities Program, MIT**      **September 2010-Present**  
Working in Python to add new features to IsisWorld, a open source simulator that is used to evaluate and observe behaviors of AI commonsense reasoning systems.  
**Infosys InStep Program Internship**      **June 2010 - August 2010**  
Developed an algorithm to parse and evaluate a predicate in a constraint-specification language as part of a software tool to automatically generate test data from predicates.  
**Undergraduate Research Opportunities Program, MIT**      **February 2010 - June 2010**  
Worked on a data logger for the iPhone for distributed urban sensing to understand urban citizen behaviors. Developed a script to track usage of the MIT wireless networks.  
**Engineers without Borders.**      **August 2009 - Present**  
Analyzed the costs of delivering energy to a clinic in Uganda through the use of solar panels, weighing it against alternatives such as the use of a diesel generator or connecting the clinic to the country's power grid.  
**Intern/Mentor, Independent Research**      **June 2007 - May 2009**  
Developed algorithms to mathematically analyze and solve cryptograms including shift ciphers, Affine ciphers, and monoalphabetic and polyalphabetic substitution ciphers .

#### Community Service Experience

Columbia Concert Band 2007-2009  
Tutoring 2007-2009  
Junior Volunteer, Fidos for Freedom, Laurel, MD 2003-2009  
National Honor Society 2007-2009

#### Awards

Graeme Clark Cochlear Scholarship 2010 ,Equus Award for exemplifying the spirit of excellence (MRHS), Captain John and Angie Skinner Scholarship, AG Bell Scholarship, Marine Corps League Scholarship, AP Scholar with Distinction Award, Maryland Distinguished Scholar 2009

#### Computer Languages

C, C++, Java, Python, HTML, JavaScript