

# Shyamal Patel

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## Education

Georgia Institute of Technology, Atlanta, Georgia	Expected Graduation: May 2020
<i>Candidate for Bachelor of Science in computer science</i>	
<i>Notable coursework: Machine Learning (Spring 2017)</i>	
Devon Preparatory High School, Devon, Pennsylvania	September 2012 – June 2016
GPA 4.52/4.52	
Awesome Math Summer Program, Dallas, Texas	June 2013, June 2014
<i>Took classes in Number Theory, Combinatorics, Algebra (roots of unity and multivariate polynomials), and Geometry (Homothety, Barycentric Coordinates)</i>	
Awesome Math Summer Program, Ithaca, New York	July 2013
<i>Took classes in Algebra (Symmetric Polynomials, Rings, Cauchy Schwartz) and Geometry (Radical Axis, Mass Points, Menelaus, Ceva Theorem)</i>	

## Awards and Distinctions

Devon Prep Valedictorian	2016
American Invitational Mathematics Exam Qualifier	2015
<i>An exam given to scorers in the 95<sup>th</sup> percentile and above in the American Mathematics Competition</i>	
National AP Scholar	
<i>Received a score of 5 on 12 AP exams</i>	
National Merit Finalist	2016
Quill and Scroll International Honor Society for High School Journalists	2013-2016
<i>Recognition of individual student achievement in journalism and scholastic publication</i>	

## Leadership and Activities

Artificial Intelligence Club Member	Present
Programming Team Club Member	Present
<i>One of 18 students representing Georgia Tech at the ACM South East Regional Competition</i>	
Big O Computer Science Theory Club Member	
William Lowell Putnam Competition Team Member	Present
<i>One of three students representing Georgia Tech in the William Lowell Putnam Math Competition</i>	
Georgia Tech Fencing Club Member	Present
Captain of Devon Prep Mathletes Team	August 2015 - June 2016
<i>Competed in monthly Mathletes Competitions between students in the Philadelphia Archdiocese</i>	
<i>Taught younger students trigonometry and other subjects they hadn't yet encountered in class</i>	
Captain of Devon Prep Science Olympiad Team	August 2015 – June 2016
<i>Competed in the Science Olympiad Competition in events ranging from Hydrogeology to Circuits</i>	
<i>Aided younger students in building their projects</i>	
Devon Dialogue Associate Editor of News	August 2015 – June 2016
<i>Helped run and organize Devon Prep's newspaper club</i>	
<i>Wrote and edited articles for the newspaper</i>	

## Skills

Proficient Programming Languages: Python, Java  
Working knowledge of: HTML, CSS, Latex  
Fluent in Spanish  
1<sup>st</sup> Degree Black Belt in Taekwondo  
Instruments: Piano

## Volunteer Work

Team Children Volunteer	August 2013 – May 2016
<i>Over 50 volunteer hours</i>	
<i>Helped refurbish computers for sale to underprivileged families at reduced prices</i>	
Montgomery Hospital Volunteer	June 2012 – August 2012
<i>Over 125 volunteer hours</i>	
<i>Aided in patient and specimen transport</i>	