

# Nitya Subramanian

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## EDUCATION

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Massachusetts Institute of Technology S.B. Candidate- Electrical Engineering and Computer Science, Minor in Management Coursework: Introduction to EECS	Cambridge, MA (Sept 2011-June 2015)
Mission San Jose High School Cumulative GPA: 3.88 Unweighted, 4.5 Weighted, SAT 1: 2400	Fremont, CA (August 2007-June 2011)

## WORK/INTERNSHIP EXPERIENCE

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<i>Intern-</i> Cisco Systems: Core Technology Group, Central Engineering Organization <ul style="list-style-type: none"><li>Developed new capabilities for CAE Tools support webpage</li><li>Wrote Python scripts to extract licensing information from user log files</li><li>Performed data migrations between Solaris and Linux-based servers</li><li>Set up and configured database management and error tracking web applications</li></ul>	San Jose, CA (June 2012- August 2012)
<i>Intern-</i> MIT Center for Mobile Learning at the MIT Media Lab under Prof. Hal Abelson <ul style="list-style-type: none"><li>Implemented MIT's new instance of the Android AppInventor Mobile Application software after Google shut down the service.</li><li>Extended AppInventor capabilities by adding a Near Field Communication (NFC) detection component to the AppInventor service.</li><li>Tested server; Searched for bugs; Moderated AppInventor Discussion Forums</li></ul>	Cambridge, MA (January 2012- present)
<i>Intern-</i> UC Berkeley EECS Department in CITRIS (Center for Information Technology and Research in the Interest of Society) under Prof. Eric Brewer <ul style="list-style-type: none"><li>Worked on development of beta version of "Matlabu Chifai," a Medical Record System application to be used in rural hospitals and boarding schools in Senegal</li><li>Coded unit and functional tests in Ruby on Rails</li><li>Created and modified the information flow of the application to accommodate new functions introduced for the beta version</li><li>Designed the application logo and presented work to an extended audience of UC Berkeley faculty and graduate students</li></ul>	Berkeley, CA (Summer 2010- 7 weeks)

## LEADERSHIP/EXTRACURRICULAR INVOLVEMENT

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Society of Women Engineers <ul style="list-style-type: none"><li>External Relations Chair<ul style="list-style-type: none"><li>Manage all external communication/collaboration with MIT SWE</li></ul></li><li>Region F Conference- Publicity Chair; Corporate Relations<ul style="list-style-type: none"><li>Plan and Publicize the 2012 SWE Region F Conference</li><li>Procure sponsorship for the Region F Conference Career Fair</li></ul></li><li><i>Mentor-</i> Women in Science and Engineering (WiSE)<ul style="list-style-type: none"><li>Exposed middle and high-school girls to opportunities in STEM fields</li></ul></li></ul>	Cambridge, MA (September 2011-present)
FIRST Robotics: FRC Team 2489, FTC Team 596 <ul style="list-style-type: none"><li><i>Build Lead</i> (2011)- Led designing, building, testing, and programming groups</li><li><i>Head Mentor</i> (2011)- Guided team through design, building, programming, testing, business, and PR aspects of running the team and constructing the robot.</li><li><i>Recruitment Officer</i> (2009-2010) - Expanded team from a one school, 15-member team to a 5-school, district-wide team with over 35 active members.</li></ul>	Fremont, CA (January 2009- June 2011)
Swimming- Club Team Senior Group; High School MVP, League Record Holder	(2002-present)
MIT Triathlon Team	(September 2011-present)

## AWARDS/HONORS

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**\$10,000 Core Values Scholarship-** LAM Research Corporation

**Mission San Jose High Tower Award-** Awarded to 10 students in each graduating class based on Character, Leadership, Activities, Athletics, and Academics.

**\$2,000 Chevron Emerging Engineers Scholarship-** Society of Women Engineers

**Grade 7 Piano-** Associated Board of the Royal Schools of Music

## SKILLS:

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- Fluent in English, French and Tamil
  - Proficient in Python, Java, C, PHP, HTML, MYSQL, and Ruby on Rails