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## Jose Zuniga

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<b>Education</b>	<b>Massachusetts Institute Technology (MIT)</b> Candidate for Bachelor of Science in Computer Science and Electrical Engineering. Relevant Coursework: Signals and Systems, Computation Structures, Software Construction, Algorithms, Computer Vision	<b>Cambridge, MA</b> <i>June 2017</i> <i>GPA: 4.4/5.0</i>
<b>Experience</b>	<b>Universitat Politècnica de Catalunya (MISTI)</b> <i>Institut de Robòtica i Informàtica Industrial – Software Engineer</i> <ul style="list-style-type: none"><li>• Built and compiled ROS packages and ran simulations for the Barrett WAM robot in Gazebo.</li><li>• Wrote plug-ins in C++ and ROS nodes (servers/clients) in Python to be contributed for publication (IROS 2016).</li><li>• Reproduced research results on AI and machine learning techniques involving spatial configuration and sensorimotor data.</li></ul>	<b>Barcelona, Spain</b> <i>June – July 2015</i>
	<b>Intel Corporation</b> <i>Intel iRise Intern – Software Engineer</i> <ul style="list-style-type: none"><li>• Developed an internal tool for the Media Kernel Team written in Visual C#.</li><li>• Wrote 2000+ lines of code that parses data and programs MS Word &amp; Excel to create a visual representation of relevant information (including hardware configuration and full report).</li><li>• Presented project that now influences several Visual and Parallel Computing groups (VPG) across sites.</li></ul>	<b>Folsom, CA</b> <i>June – Aug. 2014</i>
	<b>MIT UROP</b> <i>MIT App Inventor Team</i> Learned the basics of JavaScript and Git to fix minor bugs on my own running instance of App Inventor.	<b>Cambridge, MA</b> <i>Feb. – May 2014</i>
<b>Projects</b>	<b>Intel-Sponsored Hack-a-thon</b> <i>Participant</i> <ul style="list-style-type: none"><li>• Worked in a team of 2 to program an educational game to teach students math, written in JavaScript.</li></ul>	<b>Folsom, CA</b> <i>July 2014</i>
	<b>University of California Davis</b> <i>California State Summer School for Mathematics and Science Program</i> <ul style="list-style-type: none"><li>• Studied computers in Biophysics and Robotics and learned a variant of the C programming language.</li><li>• Projects included: developing a website, modeling molecular “random walks,” and building/programming NXT Lego Mindstorms robots.</li></ul>	<b>Davis, CA</b> <i>Aug. 2011</i>
<b>Leadership</b>	<b>MIT Society of Professional Hispanic Engineers (SHPE)</b> <i>Corporate Liaison</i> <ul style="list-style-type: none"><li>• Established 5 new industry connections and created an updated corporate sponsorship deck.</li><li>• Coordinated concrete networking events with 10 partnerships for the Fall 2015 semester.</li></ul>	<b>Cambridge, MA</b> <i>May 2015 – Present</i>
	<b>MIT MISTI Global Teaching Labs</b> <i>Instructor</i> <ul style="list-style-type: none"><li>• Developed lesson plans for 3 fifth-year classes (25 students each) on Network-focused Information Technology concepts through Cisco CCNA program.</li><li>• Taught 3 fourth-year classes (20 students each) basics of Javascript and HTML.</li></ul>	<b>IIS Torriani – Cremona, Italy</b> <i>2012 – 2013</i>
<b>Activities &amp; Awards</b>	<b>Gates Millennium Scholarship Program</b> <i>Gates Scholar</i> , Developed leadership skills through STEM career development conferences.	<i>June 2013 – Present</i>
	<b>Xerox Scholarship Foundation</b> <i>Scholarship Recipient</i> , Led student discussions about education and future careers at voluntary academic outreach programs in local high schools.	<i>Sep. 2013</i>
<b>Skills</b>	<b>Computer:</b> Proficient in Java, Python, Visual C#, Microsoft Visual Studio, Git, ROS, Gazebo. <b>Language:</b> Bilingual in English and Spanish.	

**Jose Zuniga**

**EECS**

**2017**



I would love to teach students subjects in computer science. Specifically, programming in java, python, Arduino, ROS.

My most relevant experience teaching is:

**MISTI GTL Italy –**

Last IAP I was able to teach 3 different 5<sup>th</sup>-year classes concepts in Information Technology involving networks. I also taught 3 different 4<sup>th</sup>-year classes how to program in Javascript and basic HTML.

Courses relevant in EECS:  
Elements of Software  
Construction  
Introduction to Algorithms

I want to gain a global perspective on the impact of a tech-focused education.

I believe that I am able to connect to classrooms of students through my ability to adapt new settings and culture. Moreover, I have a passion for what I wish to teach and I am confident that I can make a lasting impact on my students.

MISTI GTL Italy  
*January 2015*  
MISTI Spain  
*June-July 2015*