

# Elizabeth M. Pula

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<b>Education</b>	<b>Massachusetts Institute of Technology</b> , Cambridge, MA <b>Candidate for Bachelor of Science in Mechanical Engineering</b> , GPA 4.1 Coursework includes: Design & Manufacturing, Dynamics and Control, Mechanics and Materials, Thermal-Fluids, Differential Equations, Microeconomics, Finance Theory, People & Organizations, Java Programming	June 2011
	<b>St. Francis High School</b> , Wheaton, IL Salutatorian, AP Scholar with Honors, Top Honors in State Math Competition.	May 2007
<b>Experience</b>	<b>MIT Mechanical Engineering Department: BioInstrumentation Lab</b> , Cambridge, MA Created SolidWorks models and animations of MICA sensors (small, cube, wireless, real-time sensors to measure pH, acceleration, humidity, etc.) and their environments. Directly worked with department head to explore uses of tactile communication using small vibrating motors on the skin to convey movement directions.	June 2010 – Present
	<b>Camp Kesem</b> , Center Tuftonboro, NH <b>Counselor, Fundraising Team, Student Support Coordinator</b> Led cabin of 15 younger girls in team building and self-discovery camp activities. Camp Kesem is for children whose parents have or had cancer. Member of team which was responsible for raising the \$40,000 required to offer the camp free of charge. Recruited and trained 40 college students to become counselors.	August 2008 – Present
	<b>Illinois Science and Technology Coalition</b> , Chicago, IL <b>Intern</b> Responsible for reviewing pending legislative bills that have a direct impact on Illinois research and development initiatives. Develop new methods to increase awareness for the need of more research and development opportunities at universities, private sectors, and federal laboratories. Create briefs for President / CEO of ISTC used in presentations to state and federal legislators.	June 2009 – August 2009
	<b>MIT Mechanical Engineering Department: Techet Lab</b> , Cambridge, MA <b>Research Assistant</b> Studied the out-of-water takeoff of different species of flying fish. Utilized SolidWorks in building a tank and MATLAB for particle image velocimetry in analyzing results.	February 2009 – May 2009
	<b>Illinois Shotokan Karate Club</b> , Naperville, IL <b>Karate Instructor, Second-degree black belt</b> Taught four different level classes to students from age 5 to 50. Developed activities to practice self-defense, coordination, and concentration. Prepared students for an intensive test that covered all skills learned in class.	March 2005 – August 2008
	<b>MIT Chemical Engineering Department: Hamel Lab</b> , Cambridge, MA <b>Research Assistant</b> Tested different professional cell filters for cellular analysis. Instrumental in developing products which could be brought to market.	January 2008 – May 2008
	<b>Edward Hospital</b> , Naperville, IL <b>Lead Volunteer</b> Welcomed hospital visitors and assisted them with locating patients. Delivered flowers and gifts to patients located throughout the hospital. Trained new volunteers to develop communicative and leadership skills in order to be effective at their position.	September 2005 – August 2006
<b>Leadership</b>	Global Poverty Initiative Executive Director Society of Women Engineers Membership Development Chair Global Poverty Initiative Director of Outreach Global Poverty Initiative Education Director / Logistics Team Member St. Francis High School Student Body President	January 2010 – Present December 2007 – Present January 2009 – January 2010 September 2007 – January 2009 September 2006 – May 2007
<b>Activities</b>	MIT Kappa Alpha Theta Sorority MIT Public Service Center volunteer	September 2007 – Present September 2007 – Present
<b>Skills</b>	Technical: Microsoft Word, Excel, and PowerPoint; familiar with SolidWorks, MATLAB, Java, and Mathcad Language: conversant in French, Spanish, and Chinese (Mandarin)	