

Lindsay Sanneman

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EDUCATION	<i>Bachelor of Science Degree</i> Massachusetts Institute of Technology, Cambridge, MA, Graduation: June 2014 Major: Aeronautical and Astronautical Engineering Overall GPA: 4.5
PROGRAMMING PROFICIENCY	Python, Java, C, MATLAB
PROFESSIONAL EXPERIENCE	<i>UROP at Space Systems Laboratory, MIT</i> May 2011 - January 2011 <ul style="list-style-type: none">Performed thermal testing, vibration testing, and worked on developing a solar panel deployment mechanism for MicroMAS satelliteWorked on code and educational material for Zero Robotics Programming Competition <i>January Operational Internship at Kennedy Space Center</i> January 2012 <ul style="list-style-type: none">Participated in overview of different labs and projects at KSC with emphasis on design for operability and prepared a presentation for NASA senior management <i>UROP at Man Vehicle Laboratory, MIT</i> February 2012-May 2012 <ul style="list-style-type: none">Determined scientific objectives, necessary payloads, and potential targets for a manned Near Earth Asteroid (NEA) mission <i>Intern at Thales Alenia Space</i> Summer 2012 <ul style="list-style-type: none">Developed code to determine optimal energy storage options by mass for various space missions
RELEVANT COURSEWORK	<i>16.00 - Introduction to Aerospace Engineering and Design</i> <ul style="list-style-type: none">Worked with a team to design a lighter-than-air vehicle <i>16.001-16.004 - Unified Engineering</i> <ul style="list-style-type: none">Covered Materials and Structures, Signals and Systems, Fluid Dynamics, and Thermodynamics and PropulsionWorked with a team to optimize turbine engine properties using MATLAB, and presented design to GE engineersWorked with a team to optimize wing design and weight and balance properties of a remote controlled plane using MATLAB, and built the remote controlled plane based on our design <i>1.00 - Intro to Computer and Engineering Problem Solving - Java Programming</i> <i>6.189 - Introduction to Python</i>
EXTRA- CURRICULAR ACTIVITIES	<i>Gymnastics</i> <ul style="list-style-type: none">Arizona Sunrays Club Team Member 1995-2010Arizona Sunrays Club Team Captain 2009-2010MIT Club Team Member Fall 2010-Present and Member of Two Time National Champion Team
LEADERSHIP ACTIVITIES	<i>Battlecode Event Coordinator</i> January 2011, 2012 <i>AeroAstro Freshman Orientation Program Planner</i> August 2012 <i>NASA Club Founder and President</i> 2007-2010
OTHER SKILLS	<i>SVN - Subversion Software Revision Control Software</i> <i>Machine Shop Trained (Mill and Lathe)</i> <i>Soldering (Instrumented MicroMAS Satellite)</i>
MEMBERSHIP	<i>AIAA (American Institute of Aeronautics and Astronautics)</i>