

Elizabeth D'Arienzo

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- Education:** **Massachusetts Institute of Technology (MIT)** **Cambridge, MA**
Candidate for B.S. in Aerospace Engineering June 2013
GPA: 4.72/5.0
Relevant Coursework: Multivariable Calculus, Differential Equations, Physics of Terrestrial Planets, Introduction to Java, Unified Engineering (Thermodynamics and Propulsion, Fluid Mechanics, Signals and Systems, and Materials and Structures), Astronomy, Probability and Statistics, Chinese I-II
Currently Taking: Aerodynamics, Dynamics, Automatic Control, Human Factors Engineering, Chinese III
- Women's Technology Program (WTP) at MIT** **Cambridge, MA**
Four-Week Intensive Summer Program Summer 2008
Studied basics of mechanical engineering, completed several technical mechanical projects and labs.
- Science Honors Program at Columbia University** **New York, NY**
Competitive Saturday Morning Science Program Fall 2007 – Spring 2009
Studied college-level physics by taking courses on Saturdays.
- Skills:** **Programming Languages:** Java, Visual Basic for Applications (VBA), MATLAB
Software: Microsoft Office, Photoshop, DOORS
- Experience:** **Aerospace Robotics and Embedded Systems Laboratory** **Cambridge, MA**
Undergraduate Researcher Fall 2011 – Present
Develop a game to help analyze how humans react to navigating a complex environment at various velocities. Create controls, interface, and methods of data collection. Assist research team in data collection and analysis.
- Northrop Grumman Corporation – Aerospace Systems Sector** **Bethpage, NY**
Technical Student Intern – Aerodynamics Summer 2011
Supported Aerodynamics activities for the E-8C Joint Surveillance Target Attack Radar System (JSTARS) program. Updated and developed programs to automatically compute and create charts necessary for documentation. Studied advanced aerodynamic concepts and their integration into the overall system.
- Northrop Grumman Corporation – Aerospace Systems Sector** **Bethpage, NY**
Technical Student Intern – Avionics Engineering Summer 2010
Supported Avionics Engineering activities for the E-2D Advanced Hawkeye program. Researched and analyzed computer networks, participated in laboratory troubleshooting, performed specification requirement reviews and technical document reviews.
- CASTOR Satellite Design and Build** **Cambridge, MA**
Undergraduate Researcher January 2010
Participated on the systems team, which deals with the total integration of the satellite as well as management of the overall program. Worked on risk management analysis and documentation.
- Leadership:** **Secretary, Lecture Series Committee (LSC)** January 2011 – Present
LSC is a student-run organization that shows weekly movies at a reduced price to the MIT community and the public. As Secretary, I take the minutes of all meetings, distribute mail, organize records of club activity, reserve rooms, and participate on the Night Committee for the organization.
- Awareness Coordinator, Campus Crusade for Christ (CCC)** January 2010 – Present
CCC is a student group that provides a Christian community and fellowship to students on campus. As Awareness Coordinator, I create and distribute posters advertizing upcoming events, reserve public space for ads, and think of other creative ways to inform students of events we are hosting.
- Residential Exploration (REX) Chair, Next House Dormitory** Summer 2010
I organized and ran events for Residential Exploration, an event where freshmen can visit different dorms.
- Honors:** NASA Aeronautics Scholarship (2011), Northrop Grumman NextGen Engineers Scholarship (2009), NIAF DeFrancis Scholarship (2009, 10, 11), Robert C. Byrd Honors Scholarship (2009)
- MIT Activities:** Unified Laboratory Assistant, CCC, LSC, Staff Photographer for The Tech (MIT's student paper), MIT CityDays (group leader for day-long orientation service project), REX volunteer for Burton Conner House
- Interests:** *Lord of the Rings*, Reading, Flute and Piccolo, Watching Movies, Video Games, Coding

Active Secret Clearance