

# Cydney L. Trice

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## Education

### **Massachusetts Institute of Technology**

Cambridge, MA

*Candidate for Bachelor of Science Degree in Aeronautical & Astronautical Engineering*

June 2011

Relevant Course Work: Thermodynamics, Fluid Dynamics, Signals and Systems, Materials and Structures, Physics-Classical Mechanics, Physics-Electricity and Magnetism, Single-Variable and Multi-Variable Calculus, Solving Complex Problems: Mission 2011, and Introduction to Stagecraft.

## Experience

### **Program Participant; In Flight! Aeronautics and Flight Program at Middle TN State University**

- Participated in week long program for high school students. Murfreesboro, TN
- Mapped out flight schedule and planned fuel allocation for three-legged trip. Summer 2005
- Piloted plane on route established during the week.

### **Undergraduate Research Assistant; MIT Department of Aeronautical and Astronautical Engineering**

- Worked in the MIT Space Systems Laboratory on the SPHERES Satellite Team. Cambridge, MA
- Created an instructional video for astronauts in the International Space Station explaining the 2009 SPHERES satellite test setup and execution. January

### **Undergraduate Research Assistant; MIT Department of Brain and Cognitive Sciences**

- Worked under a research student. Cambridge, MA
- Ran tests on 3-5 year old children at the Boston Museum of Science. Summer 2007
- Read a story to the children and asked them a series of questions that would reveal the presence of theory of mind and the absence of geocentrism.
- Recorded and analyzed the data collected to determine when theory of mind is acquired in childhood development.

### **Contest Participant; First Lego League – Robotics Competition at Tennessee Tech University**

- Worked with team of students to build a robot out of Lego blocks. Cookeville, TN
- Designed, constructed, and programmed robot to complete an obstacle course. February 2003

## Leadership Roles

### **Student Advisory Board for the Undergraduate Advising and Academic Programming Office (SUAAP)**

Serve as a liaison between the faculty and students concerning academic related events and programs.

July 2007 – May 2008

### **Student Ambassador for the Alumni Association**

Create a bridge between the current students at MIT and the Alumni supporters. Help with Alumni sponsored events and visitor tours.

September 2007 - present

### **The Phoenix Group - W1 Dorm Founders - Interim Secretary**

Selected to be a part of a group of students to create and foster culture and community at the newest dorm at MIT. Work with administration and architects to remodel an existing facility.

February 2008 - present

### **MIT Gospel Choir - Historian/Webmaster**

- Organize records of events.
- Maintain content of public websites. September 2007 - present

## Additional Experience

### **MIT Admissions Office**

Cambridge, MA

- Minority Ambassador; Assist with organizing events for potential Underrepresented Minority freshmen. March 2008 - present
- Student Intern; Deliver admissions information sessions, give campus tours, greet visitors, and assist with data analysis and event planning. June 2008 - present
- Student Worker; Sorted mail, organized freshman admissions packets, and filed documents. January 2008 - March 2008