

# Allison “Sunny” Vanderboll, EIT

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## Education

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**Massachusetts Institute of Technology – Cambridge, MA**

GPA: 4.4/5.0

May 2013 (expected)

***Master of Science in Transportation***

- Research focus: Air Transportation. Relevant coursework: Air Transportation Operations Research, Airline Industry (including Revenue Management), Transportation Systems Analysis: Performance and Optimization, and Demand and Economics.

**Stanford University – Palo Alto, CA**

GPA: 3.57/4.00

June 2011

***Bachelor of Science in Civil Engineering: Dry/Structures Track***

- Research assistant in the Civil Engineering Department for two summers.

## Work Experience

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**ICF SH&E – Cambridge, MA**

June 2012 – present

***Intern, Aviation Consulting***

- Assist in research for and preparation of client reports. Utilize SQL and in-house airline network evaluation software. Research and develop air travel demand forecasts. Continuing internship part-time during school year.

**MIT – Cambridge, MA**

September 2011 – present

***Research Assistant for Professor Cynthia Barnhart***

- Use SQL and Java to conduct longitudinal study of airline passenger delay in the national air transportation system, 2007-2010, and analyze the impacts of air transportation trends and policies on passenger delay.

**Stanford University – Palo Alto, CA**

***Research Assistant***

Billington Group:

June 2010 – March 2011

- Specimen setup and calibration for an earthquake-resistant concrete panel retrofit; presented results to Faculty.

High Speed Rail Project:

June 2009 – March 2010

- With team of 5 students, modeled land use options available to the city of Palo Alto for the proposed CA high speed rail line through the city. Published Stanford Center for Integrated Facility Engineering Technical Report 189 (March 2010).

**Walt Disney Imagineering – Burbank, CA**

***Intern***

January – March 2009

- With team of four students, worked on company-specific modular design and construction project, investigating structural, material, and financial elements of proposed project, and presented work to Imagineering Design staff in Burbank

**Stanford University Libraries – Palo Alto, CA**

September 2007 – June 2011

***Student Assistant***

- Catalogued new purchases, updated item records in database, and opened/closed the library facility building

## Academic/Professional Leadership

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**Graduate Women at MIT – Cambridge, MA**

June 2012 – present

- Co-chair, Orientation Women's Welcome Lunch 2012. Event attended by over 200 incoming students and 25 MIT staff.
- Course 1 Departmental Representative.

**Transportation Club at MIT – Cambridge, MA**

May 2012 – present

- Vice President for Transportation Showcase, an annual event attended by 19 transportation companies and 300 students. Organize team of volunteers for logistics and day-of setup, and serve as liaison for companies attending the event.

**MIT Community Wellness, Violence Prevention and Response – Cambridge, MA**

January 2012 – present

- Peer educator: Organize, publicize and present campus workshops to MIT students on gender violence and domestic violence.

**MIT Graduate Student Council Orientation Committee – Cambridge, MA**

June – September 2012

- Organized ESL resource event for international spouses and partners of MIT students during Orientation. Worked with MIT Spouses and Partners office to plan the event, attended by 80 people.

**ASCE Stanford University Chapter – Palo Alto, CA**

September 2010 – June 2011

- Construction Team Captain, ASCE Concrete Canoe Competition.

## Certification and Technical Skills

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**Engineer in Training, Civil Engineering Specialty**

- Obtained October 2011

**Computing:**

- Java programming, SQL database

**Software**

- MS Office suite, Revit, NavisWorks, SimVision, Building Explorer, eQuest, Station Manager (MTS Machine Controller)