

# JENNIFER J. THORNTON

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JennT@MIT.edu

## EDUCATION

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**Massachusetts Institute of Technology**, Cambridge MA

**2011-2015**

GPA 5.0 (of 5.0); Anticipated Bachelor of Science in Biological Engineering, Minor in Philosophy

- Relevant coursework: Management Communication, Thermodynamics, Biochemistry, Computer Science (Python), Biomechanics, Philosophy of Law

**Medfield High School**, Medfield MA

**2007-2011**

GPA 4.18 (of 4.0); SAT: Math 800, Reading 800, Writing 740; SAT II: Biology M 800, Math II 800, Chemistry 790; ACT: 35

## HONORS

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- Chosen as an MIT-Sabanci University Freshman Scholar to participate in an educational and cultural exchange with Sabanci University in Istanbul, Turkey (March 2013)
  - Represented the student body at the Annual Meeting of MIT's Corporation Development Committee (Sept 2013)
  - Tau Beta Pi engineering honor society (*Feb 2014*)

## WORK EXPERIENCE

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**Grossman Lab, MIT Department of Biology**

**June 2012-Sept 2013**

- Bacterial genetics research: discovered DNA uptake immunity phenotype in *Bacillus subtilis* and characterized unstudied promoters in the genome through genetic manipulation and biochemical assays
- Analyzed experimental data using statistical methods
- Presented technical findings at lab group meetings

**MIT Department of Physics**

**edX Classical Mechanics**

**Fall 2013**

- Teaching Assistant for the first edX course in Classical Mechanics, a Massive Open Online Course (MOOC)
- Introduced 33,000 students to the class in a filmed course tutorial
- Reviewed and edited multimedia course material for weekly release with strict deadline
- Moderated online discussion forum

**Classical Mechanics**

**Fall 2012**

- Teaching Assistant for Physics I: Classical Mechanics
- Closely mentored group of 15 students in problem solving
- Graded weekly problem sets

**MISTI Italy Global Teaching Labs**

**Jan 2013**

- Taught high school physics and biology at the Istituto Di Istruzione Superiore Edith Stein in Gavirate, Italy
- Gave school-wide presentations on my research and experiences at MIT

**Brigham and Women's Hospital Vascular Research Center**

**Summer 2010**

- Mentored in scientific diagramming, publication writing, navigating PubMed, observation of lab work

## SKILLS

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- Microsoft Office (Excel, PowerPoint, Word), programming (Python, Matlab)

## ACTIVITIES

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- Society of Women Engineers, MIT Dance Troupe, MIT Varsity Fencing (2011), drawing (charcoal and graphite)