

# Yuqing Zhang



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MIT '16: Course 6 (EECS)  
and Course 18  
(Mathematics)

Thomas Jefferson HS for  
Sci and Tech '12 (GPA:  
4.56, 4.0 unweighted)

## Hobbies:

- Solving Math Olympiad problems
- Keeping up with advances in biology
- Basketball
- Breakdance

## Skills:

- Programming (Python, MATLAB, Java, C)
- Problem Solving
- Teamwork (Co-Captain of Biology Olympiad Club and Varsity Math Team at Thomas Jefferson HS)

## Experiences:

- Teacher, Sunshine Academy (Jun 2012– Aug 2012)  
Introduced middle school students to competition-style mathematics at the Sunshine Academy summer camp
- Research Intern, MIT (Jun 2011– Aug 2011)  
Employed computational and empirical approaches to investigate precursor warning signals for population collapses in certain ecological settings
- Research Intern, Georgetown University (Jun 2010 -- Sep 2010)  
Constructed a novel machine-learning algorithm based on the "random forest" algorithm for liver cancer diagnosis by blood sample data. Algorithm reported over 95% sensitivity and specificity.
- Volunteer, American Red Cross (2008—2012)  
Managed registration of blood donors and verified their health condition after the donation process.

## Accomplishments:

- 5th Place individual in the USA, USA Biology Olympiad
- Participant, Research Science Institute
- Qualifier, USA Math Olympiad
- Semifinalist, USA Physics Olympiad
- Semifinalist, Intel Science Talent Search
- Virginia State Winner, American Mathematics Competition 10B
- Virginia State Winner, Siemens AP Award
- Recipient of the Thomas Jefferson HS Leadership Award