

Pritee Tembhekar
362 Memorial Dr. Cambridge, MA 02139
(857)756-7212 • pritee@mit.edu

Education

2014 **Massachusetts Institute of Technology** **Cambridge, MA**
Candidate for Bachelor of Science in Chemical Engineering GPA: 5.0/5.0

2010 **Westwood High School** **Austin, TX**
Salutatorian, International Baccalaureate diploma recipient
GPA: 5.79/6.00; SAT: 2390 (Math: 800, Reading: 800, Writing: 790)

Research

Summer 2009 **University of Houston Welch Summer Scholars Program** **Houston, TX**
Welch Summer Scholar

- Conducted chemistry research focusing on synthesizing nanoporous material for H₂ storage
- Checked products with 1H NMR and became familiar with several organic chemistry techniques
- Presented findings in a 15 page research paper poster presentation for 15 faculty members

2009 **Final Junior Project: Statistical Study of Teen Health** **Austin, TX**
Independent Researcher

- Constructed survey to study teen health, collected and analyzed over 300 surveys
- Compiled findings to educate students, teachers, and administrators

Work Experience

Summer 2010 **Applied Research Laboratories** **Austin, TX**
Researcher in text classification lab

- Implemented a web-based application for making e-mail labeling more efficient using JavaScript, HTML, Perl, and SQL
- Developed and tested 2 novel algorithms to modify input to existing text classifiers

Summer 2009 **University of Texas at Austin** **Austin, TX**
Physics Department Intern

- Evaluated crystal surfaces using atomic force microscopy for an atomic mirror project requiring extremely flat surface for manipulating atoms
- Designed and machined a simple filtration system holder in Solid Edge
- Presented work in a PowerPoint for 20 interns and 15 faculty members

2007-2010 **Community math tutor** **Austin, TX**

- Tutored long and short term students in all levels from pre-algebra to calculus
- Publicized extensively and managed financial transactions
- Volunteered to tutor through Mu Alpha Theta, National Honor Society, principal recruitment

Leadership

2010 **MIT Leadership Training Institute** **Cambridge, MA**
Final Projects Mentor

- Learned leadership curriculum to teach high school students in a 12-week spring session
- Will guide students to design and execute community service projects

2010 **MIT Society of Women Engineers (SWE)** **Cambridge, MA**
Freshman Representative and Board Member, Campus Relations

- Plan and organize events for ~100 people to help freshmen acclimate and learn about SWE

2008-2010 **Model United Nations** **Austin, TX**
Executive committee, conference delegate

- Collaborated extensively with the other officers to fundraise \$300
- Kept the bulletin board current with weekly updates and helped find a new teacher sponsor

2008-2009 **Children's Association for Maximum Potential**, residential camp for disabled **Center Point, TX**
Camp Counselor

- Delegated activities and chores for 20 people in preparation for evening event
- Mediated conflicts to make cabin group more effective and promote supportive atmosphere

Honors: 2nd Place in Chemistry at Intel ISEF science fair, American Invitational Mathematics Competition, 2009 AP National Scholar Award (highest recognition), 2010 Senior Award in Math, Chemistry, and Physics

Skills: Computer: Microsoft Office Suite, Java, HTML, SQL, Some Perl, Solid Edge, and JavaScript

Imaging: NMR, AFM **Languages:** Spanish (4th year student), Marathi (fluent speaker)

Coursework: Multivariable Calculus, Statistics, Chemistry, Biology, Mechanics, Computer Science (Java)