Sarah Shader

Cambridge, MA
1-307-399-7308
sshader@mit.edu

410 Memorial Drive, Cambridge, MA, 02139

Education

Massachusetts Institute of Technology	*Cambridge, MA*

Candidate for Bachelor of Science in Computer Science — *June 2018*
Candidate for Bachelor of Science in Mathematics
GPA: 5.0/5.0

Relevant Courses:

Advanced Algorithms, Software Design, Computation Structures, Machine Learning, Probability & Random Variables, Real Analysis

Experience

Research Science Institute (RSI) — *Cambridge, MA*
Counselor — *2015*

- Selected to be one of six students from previous years of RSI based on academic excellence and strong leadership abilities to return as a counselor
- Planned events for 90 people such as group outings and structured bonding activities multiple times per week
- Acted as a role model or advisor for younger students and led counselor group meetings to encourage teamwork and group bonding
- Led organized activities and trips for 90 students and managed the planning process of several events

Math Research: Weighted Catalan Numbers — *Laramie, WY*
Researcher — *2013-2014*

- Researched a problem in pure mathematics started at the 2013 RSI
- Worked under an MIT graduate student, and continued research culminating in submission to various competitions.
- Selected as a Semifinalist for the 2014 Intel Science Talent Search and the 2013 Siemens Competition 300 are selected from 1600 submissions
- Currently pursuing publication

Leadership & Activities

MIT Undergraduate Practice Opportunities Program — *Jan. 2016*
Participant

- Participated in a voluntary, yearlong, co-curricular professional development program that prepares MIT sophomores for success
- Developed career skills such as resume-building, interviewing, and networking
- Completed an intensive, one-week professional development workship that included experiential learning modules focused on effective communication, decision-making, and teamwork

Skills

- Proficient in Java, Python, and C++
- Proficient in LaTeX and InDesign
- Fluent in Spanish