

Sarah Shader

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Education

Massachusetts Institute of Technology

Candidate for Bachelor of Science in Computer Science

Candidate for Bachelor of Science in Mathematics

GPA: 5.0/5.0

Cambridge, MA
(Expected) Jun. 2018

Relevant Courses:

Advanced Algorithms, Inference and Information, Machine Learning

Network Security, Computer System Engineering, Software Design, Computation Structures

Probability & Random Variables, Real Analysis

Skills

- Proficient in Java, Python, C++, LaTeX, and InDesign
- Experienced with HTML, CSS, and JavaScript
- Fluent in Spanish

Research & Experience

6.148 Web Programming Competition

Competitor

Cambridge, MA
Jan. 2016

- Designed and developed a web application over four weeks using HTML, CSS, and JavaScript
- Utilized technologies including MongoDB, JQuery, Bootstrap, and Handlebars
- Selected as a semifinalist for the Rookie Division

Research Science Institute: Weighted Catalan Numbers

Researcher/Participant

Laramie, WY
Jun. 2013 - Sept. 2014

- Worked under an MIT graduate student investigating and solving an open problem in enumerative combinatorics, an area of pure mathematics
- 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

Research Science Institute

Counselor

Cambridge, MA
Jun. - Aug. 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
- Organized events for 90 people such as group outings and structured bonding activities over a six-week period
- Acted as a role model or advisor for participants and led group meetings to encourage teamwork and group bonding

Peer Ears

Member

Cambridge, MA
Sept. 2015 - Present

- Active member of the peer to peer mental health group at MIT