

Amy E. Riley
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Present Address

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Permanent Address

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Education

Massachusetts Institute of Technology, Fall 2010 - Spring 2014 (expected)
S.B. in Electrical Engineering and Computer Science (course 6-2)
Boston University Academy, Fall 2006 - Spring 2010

Relevant Coursework

Software Engineering (Fall 2012), Signals and Systems (Fall 2012),
Probability (Fall 2012), Artificial Intelligence, Computer Architecture, Algorithms,
Math for CS, Differential Equations, Linear Algebra; GPA: 4.5/5.0

Skills

Programming Languages

- Experience using Python, Java, MATLAB, HTML

Software

- Experience using Emacs, Git, SolidWorks, L^AT_EX

Project Management

- Co-organized and managed Rush planning and events for East Campus dormitory
- Co-organized and managed over 50 dorm events for Campus Preview Weekend

Work, Research Experience

MIT CSAIL, Networks and Mobile Systems, UROP intern, present

- Writing and implementing performance tests of cellular data networks

Middle East Education through Technology (MEET), Instructor, Summer 2012

- Taught Python to Israeli and Palestinian high school students in Jerusalem
- Developed curriculum for academically and culturally diverse audience

MIT Media Lab, Biomechatronics, UROP intern, Summer 2011

- Wrote data analysis software in MATLAB
- Helped run control trials for prosthetics testing

Private math tutor, Summer 2010 - present

- Tutor(ed) students in Algebra I, Algebra II, Precalculus, Calculus, SAT II

Boston Univ. LEAD Program, Head Counselor, Summer 2010

- Classroom assistant, head counselor for underserved urban 7th and 8th graders

Boston Univ. Physics Lab, Research intern, Summer 2008-Spring 2010

- Studied vibrations of suspended graphene membranes

Activities

MIT Undergraduate Association, various positions, Fall 2010 - present

- Sit on Everett Moore Baker Memorial Foundation (Presidential Institute Committee), Spring 2011-present
- Sit on the faculty Committee on Student Life, Fall 2012-present
- Served as chair of UA Committee on Dining, Spring 2011-Winter, 2012
- Represented and advocated for dormitory as UA senator, Fall 2010-Spring 2011