

Emma Pierson
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Education:

Stanford University, graduating Spring 2013.
GPA: 3.98/4.00.

Relevant Coursework in Computer Science:

Fluent in seven programming languages: Python, Matlab, C, C++, Java, Mathematica, Church. Graduate level background in machine learning and artificial intelligence. Additional knowledge of algorithms, computer systems, and scientific simulations.

Relevant Teaching Experience:

Resident Tutor, Math/Physics/Computer Science, Stanford University: Live-in tutor for the 200 residents in Florence Moore Hall; ran tutoring sessions for 5-10 students at a time. (2011-2012)

Private Academic Tutor, Math/Physics/SAT: Tutored middle school and high school students privately, both in person and via Skype. (2010-2011).

Tutor, Ivy Insiders: Founded own tutoring business as part of Ivy Insiders, provided group classes and private tutoring to 40 middle and high school students in math, physics, and SAT prep.

Instructor, SPLASH Program, Stanford University: As a volunteer teacher, planned and taught classes for middle and high school students in math, philosophy, biology, and physics (2010-Present)

Lecturer, Thomas Jefferson for High School and Technology Physics Team: Planned and taught classes in Newtonian physics for the TJ Physics team (2008-2009).

Additional Communication Skills:

Public speaking: President, Stanford Debate Society; awards at numerous national and international competitions, including Harvard, Yale, Stanford, and the North American Championships (2007-2012)

Counseling: Volunteered 15-hour shifts providing peer counseling to unhappy or suicidal Stanford students at the Bridge Peer Counseling Center (Summer 2011); volunteer weekly during the academic year (2010-Present)

Selected Honors:

Levinthal Tutorial Recipient, Non-fiction Writing, Stanford (2011)
National Merit Scholar (2009)
Presidential Scholar Candidate (2009)
Semifinalist in United States Biology Olympiad and United States Physics Olympiad (2008)
5-time American Invitational Mathematics Exam Qualifier (2005-2009)