

Erica Goodwin

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EDUCATION

Harvey Mudd College, Claremont, California

Bachelor of Science (B.S.) in Computer Science/Math

- Current GPA: 3.524

Expected May 2019

Polytechnic School, Pasadena, California

- GPA: 4.05

Sep 2011 – Jun 2015

COMPUTER SKILLS

Programming

- Proficient: C++, Java, Racket, Python, Scratch
- Knowledgeable: HTML, CSS, JavaScript

WORK EXPERIENCE

STEAM Coders Instructor Harvey Mudd College

Sep 2016 – Nov 2016

- Ran computer science classes for eight four-hour Saturday sessions
- Taught Scratch to twenty low-income elementary and middle school students
- Guided students through the CS First curriculum as well as individual projects
- Recruited and coordinated a team of volunteers

Tutor and Grader Harvey Mudd College

Sep 2016 – Dec 2016

- Tutored students in Harvey Mudd's core computer science course
- Topics included recursion, assembly, object oriented programming, and basic theoretical CS

Upward Bound Tutor Harvey Mudd College

Feb 2016 – May 2016

- Volunteered as a tutor to three students at local low-income high schools
- Helped students with homework, AP and SAT/ACT prep, and study skills
- Served as mentor and peer resource on the college process

CS Tutoring Video Creator Harvey Mudd College

Jan 2016 – May 2016

- Created videos to accompany Harvey Mudd's free, online version of CS5
- Wrote and shot short videos to recap weekly topics and homework assignments
- Videos launched June 2016, expected to be used by thousands of people based on previous years

Teacher's Assistant, PolySummer Polytechnic School

Summer 2015

- Worked full-time as a teacher's assistant in the PolySummer summer school program
- Taught basics of computer science in Scratch, emphasizing loops and variables, to elementary school students
- Led elementary students through experimental, curiosity-driven circuit building
- Instructed high school students in essay-writing

RESEARCH

Department of Computer Science Harvey Mudd College

Summer 2016

- Wrote a literature review (*publication pending*) on the impact of identity-based stereotypes in computer science
- Focused on deconstructing social barriers that further exclusion in computer science
- Proposed new teaching and industry recruitment techniques to counteract underrepresentation in computer science

LEADERSHIP

Mentor Harvey Mudd College

May 2015 – May 2016

- Served as resource to dorm residents in regard to personal wellness, academics, etc.
- Planned bi-weekly dorm events centered around diversity, wellness, or community engagement
- Trained extensively in allyship and support skills

Harvey Mudd Building Bridges: Pathways to Action

Office of Institutional Diversity, Harvey Mudd College

Sep 2015 – Nov 2015

- Certified in cultural competency, identity development, and intercultural communication

INTERESTS

Slam poetry, intersectional feminism, social activism.