Erica Goodwin

College Address: 340 E. Foothill Blvd., Claremont, CA, 91711
Permanent Address: 574 La Loma Rd., Pasadena, CA, 91105
egoodwin@hmc.edu • (626) 616-5745

EDUCATION

Harvey Mudd College, Claremont, California
Bachelor of Science (B.S.) in Computer Science/Math
Concentration in American Studies   Expected May 2019
- Current GPA: 3.524

COMPUTER SKILLS

Programming
- Proficient: C, C++, Java, Racket, Python
- 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 – May 2017
- Tutored students in Harvey Mudd's core computer science courses, CS5 and CS60
- Topics included recursion, assembly, data structures, algorithms, and 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.