

# 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

Expected May 2019

Concentration in Sociology

- Current GPA: 3.624
- Major GPA: 4.00

**Polytechnic School**, Pasadena, California

Sep 2011 – Jun 2015

- GPA: 4.00

## COMPUTER SKILLS

**Programming**

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

## 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.