

ERICA GOODWIN

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EDUCATION

Harvey Mudd College

B.S. in CS/Math · GPA: 3.4 (*Dean's List*)

Claremont, CA

May 2019

SKILLS

Programming:

- Ruby (Rails) · C · C++ · Python · JavaScript (jQuery) · Java · Racket · HTML · CSS

RELEVANT COURSEWORK

Software Development · Algorithms · Data Structures and Program Development · Computer Systems

PROJECTS

Classroom Dashboard (in progress)

Spring 2018

Software Development, Harvey Mudd College

- In a team of 4, used Ruby on Rails to write classroom management platform for HMC CS courses
- Stores student data, accepts and organizes student quiz submissions
- Facilitates randomized or semi-randomized student selection for question answering
- Used Agile development framework and spent two weeks as Project Manager

Chunky String

Fall 2016

Data Structures and Program Development, Harvey Mudd College

- Wrote a full implementation of the String class in C++
- Built as a linked list of arrays to optimize both efficiency and space usage
- Supported insert and delete functionality as well as equality, comparison, and size operators
- Built accompanying iterator class with equality and comparison operators

WORK EXPERIENCE

Girls Who Code

Emeryville, CA

Pixar Undergraduate Instructor

Summer 2017

- Taught 20 high school students computer science during an eight week all day intensive summer program
- Planned and led lectures covering functional programming, robotics, web frameworks, data science, algorithms, and object oriented programming
- Worked with Pixar partners to facilitate employee guest speakers and employee-student mentorship program

Tutor and Grader

Claremont, CA

Harvey Mudd College

September 2016 - May 2018

- Tutored students in Harvey Mudd's computer science courses CS5, CS60, and CS81
- CS5 and CS60 topics included recursion, assembly, data structures, algorithms, and theoretical CS
- CS81 topics included logic, automata, and computability theory

LEADERSHIP

FEMunion Officer

Harvey Mudd College

Fall 2017- Present

- Organized a mentorship program to build community among femme-identifying students at Harvey Mudd
- Worked with other FEMunion leaders to host educational events on feminist issues

Mentor

Harvey Mudd College

Fall 2016-Present

- Supported dorm residents with mental health, personal growth, academics, etc.
- Planned bi-weekly dorm events centered around diversity, wellness, and community engagement
- Extensively trained in supporting marginalized students on campus, interpersonal communication and collaboration, and active listening skills

INTERESTS

Poetry, intersectional feminism, prison abolition