

Erica Fong

San Francisco, CA

ericamaliafong@gmail.com

(415) 519-0914

[linkedin.com/in/ericamfong](https://www.linkedin.com/in/ericamfong)

<http://ericafong.me>

EDUCATION & TRAINING

University of California, Santa Cruz

Fall 2017 - expected Spring 2021

B.S. in Computer Science - *Dean's Honors* - GPA: 3.9/4.0

EXPERIENCE

Tech4Good Lab — Undergraduate Researcher, Developer & Designer

September 2018 - present

- Studying the intersections of computational systems and computer interaction under guidance of Prof. David Lee.
- Worked on Tuto, where we are exploring how to develop chatbots and conversational UX for guiding students in learning math.
- Designing for Causeway, a platform where users learn web dev through a hierarchy of roles. Work on designing views such as landing page and review modal and solving usability problems.

UC Santa Cruz, Physics Department — Web Developer

April 2018 - present

- Update and design the UCSC Physics Department's website using WCMS.
- Work directly with faculty, department staff and alumni to identify aspects of the website to update, edit and reorganize.

UC Santa Cruz, Computer Science Department — Lab Tutor/Grader

April 2018 - present

- Help students understand concepts and debug code for CE12: Computer Systems and Assembly Language.
- Grade programming assignments for over 300 students in CMPS5J: Intro to Programming in Java.

PROJECTS

Out and About — *Personal Project*

A web app to provide the LGBTQ+ community with information about their rights and to give the community a space to talk about their experiences, recommendations, tips and warnings when traveling. Identified user needs through survey, affinity mapping and user journeys. Designed hi-fi mockups and prototypes with Figma. Currently testing usability and developing with Angular.js.

Auxplorer — *Girls Who Code Summer Immersion Project*

Developed a demo version of a music searching website. Created a local database using jQuery to hold usernames and passwords. Used HTML/CSS to design the website's interface. Used Javascript and Bootstrap for developing the site.

SKILLS

Programming Languages:

Java, JavaScript, HTML/CSS, C, Python, Scheme/Racket, OCaml, Perl, Smalltalk, Angular, MIPS

Technology:

Git, UNIX

Design Tools:

Figma/Sketch, Adobe Photoshop, Origami, Maya

RELEVANT COURSEWORK

Comparative Programming Languages, Computer Systems and Assembly Language, Algorithms and Abstract Data Types, Introduction to Programming (Accelerated), Linear Algebra, Vector Calculus, Discrete Mathematics

AWARDS

NCWIT Certificate of Distinction recipient of the Award for Aspirations in Computing — 2017

Honored for computing-related aspirations, interest in technology and leadership experience.

ACTIVITIES

SF Chinese Performing Arts Program — Stilt Walking Leader **2011-2017**

Led and instructed a group of 40 elementary to high school students in stilt walking.

Colleges Against Cancer — **2017-present**

Participate in Relay for Life to fundraise for the American Cancer Society and spread awareness about various cancers.