

# Erica Fong

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## 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.
- Currently developing Tuto, where we are exploring how to develop chatbots and conversational UX for guiding students in learning math.

**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.