

Winnie Wang | wang.winnie26@gmail.com | 415-342-9836

www.linkedin.com/in/winnwang | <https://github.com/winnie3269>

EDUCATION

B.S. 2021

University of California, San Diego | Fall 2019 - Spring 2021 (intended)

Major: Computer Science

City College of San Francisco | Fall 2018 - Spring 2019

A.S. 2019

Relevant Classes: Adv. Java: Standard Edition, Computer Architecture and Assembly Language, Software Engineering

San Jose State University | Fall 2017 - Spring 2018

Relevant Classes: Intro to Programming: Java, Intro to Data Structures

TECHNICAL EXPERIENCE

NASA Community College Aerospace Scholars (NCAS)

July 2019

- Participated in a 5 week-long online course that consisted of STEM-based activities related to aerospace science.
- Became eligible for a four-day onsite experience, which included networking with current NASA engineers and competing in a 2-day robotics competition, at the NASA Ames Research Center.
- I took on the software engineering aspect of the project, using Lego's EV3 software, and worked alongside hardware designers to build a rover that could traverse a surface and do something. Specifically, I worked on creating a program that used a color sensor to detect minerals on the surface and have the rover announce the name of the color.

Google CodeU

May - August 2018

- **1 of 141** students accepted to participate in an online summer coding program
- Collaborated with a team of **3** peers to design and implement a web application using Java, JavaScript, HTML and CSS over the course of 12 weeks, leveraging various Google Cloud Platform APIs, including App Engine and Datastore
- Learned and followed industry best practices such as: contributing to open source software using Git and GitHub, conducting regular code reviews with/for teammates, extending an existing codebase, designing new components and interfaces and leading them to completion
- Implemented a feature to allow application users to edit their messages stored in Google Datastore

MHacks

September 2017

- Worked with three other women to create an application that serves as a platform for people who want to share their experiences with discrimination and ask for advice from other users who have similar experience.
- The project was mainly coded with Python, JavaScript, HTML, and CSS.

Google's Computer Science Summer Institute

July 2017

- Participated in an intensive programming institute learning web app, development in HTML, CSS, Javascript, Python and Google App Engine from Google engineers.
- Created a web application called "Food Post" to simplify the process of sending and receiving food donations by implementing Google Maps API to locate nearby food shelters

Intern, Architectural Foundation of San Francisco

June - August 2016

- Designed an environmentally sustainable building by researching privately owned public open spaces in San Francisco, utilizing graphic design software, including 3ds Max, Fusion 360, Revit, SketchUp, and creating original 3D renderings

LEADERSHIP POSITIONS

Vice President, Lowell.code

2014 - 2017

- Managed Public Relations for a student-founded coding club for computer science enthusiasts and led coding activities provided by HackClub

Peer Mentor, Lowell's High School Peer Resources Program

2013 - 2017

- Provided academic guidance and peer feedback for 12 incoming freshmen

AWARDS

- 2nd Place at Violet Hacks
- 1st Place at Violet Hacks
- "Best Use of Google Cloud Compute/Big Data Products" at MHacks X

August 2019

November 2018

September 2017