Claire Gantan

Berkeley, CA | 323.395.3033 | clhg589@berkeley.edu

EDUCATION

UC BERKELEY

BS in Electrical Engineering and Computer Science (Expected May 2023)

COURSEWORK

Undergraduate

- Structure and Interpretation of Computer Programs
- Designing Information Devices and Systems 1
- Multivariable and Vector Calculus

LANGUAGES

Java | LabVIEW | Python

Arduino | HTML

OpenCV | PHP

LINKS

Github://cGantan
LinkedIn: /claire-gantan

HOBBIES

Singing, Writing, Baking, Cardio Dance

EXPERIENCE

USC Bridge Undergraduate Science Program | Research Intern
Jun 2016-Aug 2018 (summers) | Los Angeles, CA
- Worked on improving the Photon Microscope via Confocal Line Detection software in LabVIEW
- Prototyped, programmed and tested an Optical Coherence Tomography (OCT) device
- Initiated the implementation of Github version control to the OCT project

Crescenta Valley Water District | Internship
Sept 2017-Jan 2019 | La Crescenta, CA
- Streamlined the process of accessing data for the water district
- Created a interactive database to improve operational flow by improving the accessibility to multiple users simultaneously

PROJECTS

Prosthetic Hand
Aug 2016-Jan 2018
- Worked on developing Arduino software for an inexpensive 3D printed prosthetic hand for people in need

EXTRACURRICULAR ACTIVITIES

GirlsConquerSTEM Cebu | Community Service
Sept 2018-Aug 2019
- Founded a program that taught 21 orphans in Cebu, Philippines the basics of coding in Scratch and Java through an online tutorial and teleconferencing curriculum

Robotics Mentor | Community Service
Aug 2015-Nov 2018
- Mentored 16 elementary school robotics team in yearly competitions, main mentor for programming

Crescenta Valley High School Falkon Robotics
Aug 2015-May 2019
- Software subsystem, code written in Java
- Led the vision targeting team using Raspberry Pi
- Houston World Championship 2017 and 2019 - Engineering Inspiration Award and Chairman's Award