

Claire Lee

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Experience

- Research Intern at UCSD** 6/20/2022-8/18/2022
UCSD SEISUP Lab, 5h/week San Diego, CA
- Conducting a literature review paper discussing the consequences of using hashtags in political discussions
 - Developed scripts in R and python to collect and analyze 9,000 tweets to assist with four different projects in the lab
 - Analysis techniques: Sentiment Analysis, Topic Modeling, Word Count, N-grams + TF-IDF
- COSMOS UCSD Student** 7/10/2022-8/5/2022
UCSD, 40 h/week San Diego, CA
- Created autonomous underwater vehicle using Arduino Mega and ESP32
 - 3D printing using onShape and CAD
 - Designed buoy to measure pH, total dissolved solids, temperature, latitude, and longitude
 - Applied ANOVA, linear regression, OLS, K-means clustering, and goodness of fit to data
- First Robotics Competition Team** 8/27/2019 - 6/12/2020
Aluminum Narwhals, 7.5 h/week San Diego, CA
- Aided 15+ members in discussions about the function of our robot
 - Built communication between Arduino and base station via LoRa
 - Coded a remote controlled robot with autonomous capabilities through Python

Projects

- Co-Founder of REMEMBER20** 3/13/2020 - Present
2 h/week San Diego, CA
- Developed and built a virtual art gallery to showcase 50+ student works from 20+ artists
 - Certificate of Recognition by the San Diego City Council for spreading the student's perspectives on a variety of social issues
 - \$500 Grant from Alliance of Chinese Americans and Asian Pacific Islander American Public Affairs
 - Interviewed by NBC 8 News and ABC 10 News about efforts to address global problems
- Unconfined Operations Team** Summer 2020- Summer 2021
2h/week
- Utilized Google Sheets to update the cataloging process
 - Incorporated social media marketing to advertise sales and bring awareness to social issues
 - Completion of Harvard's CS50: Introduction to Computer Science course

Education

- Canyon Crest Academy, San Diego, CA**
Senior
- **Unweighted GPA:** 3.89/4.0 **Weighted GPA:** 4.39/4.0
 - Relevant Coursework: Linear Algebra, Calculus III, AP Computer Science Principles
- UCSD Futures: HTML5 & Javascript**
- **Unweighted GPA:** 4.0/4.0
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