Elwyn Cruz
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Education
University of California, Los Angeles   September 2017 — Present
- Bachelor of Science, Computer Science Major
- GPA: 3.622
- Relevant Coursework: Object-oriented Programming, Data Structures, Discrete Mathematics, Computer Organization, Operating Systems, Machine Learning (in progress), Computer Vision (in progress)

Projects
Scene Recognition (Python)   October 2019
Developed and trained a machine learning model using SIFT, SURF, and ORB feature detection to construct a bag of words recognition system, with nearest neighbors and SVM classifiers to predict the type of room from a given picture.

Temperature Sensor (C)   July 2019 - August 2019
Constructed a system that uses a Beaglebone to sense temperatures, log readings to a server using TLS session encryption, and supports command line options to modify scale and time interval between readings.

Zombie Dash (C++)   February 2019
Implemented a real time game in which the player must rescue citizens from zombies by leading them towards an exit, using a flamethrower, mines, and vaccines to survive and defeat hordes of zombies.

Activities
mentorSEAS, Mentor   September 2019 — Present
Provide resources for underclassmen engineering students to adjust academically, socially, and mentally to college through tutoring, planning social events, and providing a support group.

Creative Labs, Animated Interactive Learning   January 2019 — April 2019
Collaborated with team members to create lesson outlines, animate examples, and promote student engagement in the lesson through multiple choice and fill in the blank questions.

Samahang Pilipino   September 2017 — Present
Active member helping to empower the surrounding community, particularly the Filipino population, through volunteering, while exploring cultural roots.

Skills/Additional
Computer: C++, Python, HTML, CSS, Linux, PHP, MySQL Microsoft Excel, Word, Powerpoint