Elwyn Cruz

ElwynCruz@ucla.edu | (714)393-7396 | elwyncruz.github.io

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, Computer Vision

---

Projects

Scene Recognition (Python)   October 2019
- ❖ Developed and trained a machine learning model using SIFT, SURF, and ORB feature detection
- ❖ Constructed a bag of words recognition system
- ❖ Utilized nearest neighbor and SVM classifiers to predict the type of room from a given picture

Temperature Sensor (C)   July 2019 - August 2019
- ❖ Implemented a system that uses a Beaglebone to sense temperatures and connects to a server using TLS session encryption to log readings
- ❖ provide support for command line options to modify scale and time interval between readings

Zombie Dash (C++)   February 2019
- ❖ Created a real time game in which the player rescues citizens from zombies by leading them towards an exit
- ❖ Designed weapons and tools like flamethrowers, mines, and vaccines for the player to use to survive

---

Activities

mentorSEAS, Mentor   September 2019 — Present
- ❖ Providing resources and activities for freshmen engineering students including tutoring, social events, and a support group of peers and mentors
- ❖ Created a welcoming environment to ease the transition into college

Creative Labs, Animated Interactive Learning   January 2019 — April 2019
- ❖ Led a group to create lesson outlines and animate physics videos
- ❖ Promote student engagement in the lesson through multiple choice and fill in the blank questions throughout

Samahang Pilipino   September 2017 — Present
- ❖ Empowering the surrounding community, particularly the Filipino population, through volunteering
- ❖ Exploring cultural roots through participation in Samahang Pilipino Culture Night

---

Skills/Additional

Computer: C++, Python, C, HTML, CSS, Linux, PHP, MySQL, Bash, Microsoft Excel, Word, Powerpoint