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## EDUCATION

Los Angeles, Ca	California State University, Los Angeles	Fall 2015 – May 2018
<ul style="list-style-type: none"><li>B.S in Computer Science, May 2018</li><li>Electives: Artificial Intelligence, Concurrent and Distributed Programming, Cryptography, Data Science, and Robotics</li></ul>		

## EMPLOYMENT

Instructional Student Assistant for Computer Science	California State University, Los Angeles	Fall 2016 – Spring 2017
<ul style="list-style-type: none"><li>Provide supplementary instruction and assistance to students for various computer science courses</li><li>Evaluate student skill set and provide help to clarify concepts</li></ul>		

Configuration Controller	Pacific Contours – Anaheim, Ca	2008 – 2013
<ul style="list-style-type: none"><li>Build EBOM/MBOM and parts list configurations in Epicor ERP System</li><li>Maintain company website; upload photographs, documents, and profile updates</li></ul>		

## TECHNICAL EXPERIENCE

### Projects

- Robosub 2018** – Computer Vision Lead – Robonation: Autonomous Underwater Vehicle Robotics Competition
  - Design and develop the object detection software architecture
  - Use machine learning and computer vision to detect underwater objects using Python and OpenCV
  - Develop preprocessing techniques and tools to achieve higher detection accuracy and minimize computation
- Lupita's Cafe** – Point of Sale (POS) software tracking finances and inventory for selling beverages in a night club
  - Design and develop a touch screen graphical interface (GUI) using JavaFX
  - Modeled from the ground up using object-oriented principles with many more features in progress
- Image-Cropper-GUI** – Tool for cropping and labeling training images for machine learning applications
  - Implemented in Python using OpenCV's high level GUI API
  - Store cropped images to disk along with a .txt file with coordinates and label of region of interest

## ADDITIONAL EXPERIENCE AND AWARDS

- Association for Computing Machinery** – California State University, Los Angeles Spring 2016 – Spring 2017
  - Executive Council Member (Fall 2016 – Spring 2017)
    - Assist with teaching coding workshops, planning events, and meetings
  - ACM Member of the Quarter Award - Spring 2016
  - ACM Picade - Spring 2016
    - Outfit a team-built arcade cabinet with a Raspberry Pi 3, two arcade sticks, monitor, and speakers
    - RetroPi was the platform used for student to develop, create, and upload games
  - ACM Magic Mirror
    - Install a personal assistant mirror with a Raspberry Pi 3 and supported open source software
    - A hands-on demonstration for students and members of how software and hardware are collaborated
- Hackathons** - 2016/2017 Season
  - Citrus Hack, Poly Hack, Hacktech, Beach Hacks, SB Hacks, LA Hacks, Car Connected 2016, Lady Problems
  - Enjoyed the environment and enthusiasm of creating and collaborating among various students and professionals from different backgrounds, majors, and industries.
  - Felt pressures of deadlines, finalizing projects, distributing tasks, communication, motivation, disappointment, and sleep deprivation

## LANGUAGES AND TECHNOLOGIES

- Java, Python, JavaScript, MySQL, HTML/CSS; JavaFX, Bootstrap, and MEAN Stack; OpenCV, scikit-learn, Numpy, and Pandas
- MacOS, homebrew; Ubuntu; Windows 7/10; Eclipse, Pycharm; emacs
- Fluent in English and Spanish