

# Christopher Wu Quach

Long Beach, CA | [www.linkedin.com/in/ChristopherWuQuach](http://www.linkedin.com/in/ChristopherWuQuach) | [www.chrisquach.com](http://www.chrisquach.com) | [cquach23@gmail.com](mailto:cquach23@gmail.com)

---

## Education

**University of California, Irvine**—*School of Donald Bren Information and Computer Science*

June 2022

- Bachelor of Science in Computer Science; Minor in Business Management
  - Relevant course work: Discrete Math, Linear Algebra, Introduction to Probability and Statistics for Computer Science
- 

## Projects/Professional Experience

**Raytheon Intelligence and Space**—*Software Engineer Intern*

June 2020 - Current

*El Segundo, CA*

- **Modeling Sim and Verification Tool Software Database:**
  - Created a database to store all the products for MSAVT since the team previously used an Excel spreadsheet
  - Analyzed states of 150+ MSAVT products and FOSS/COTS software across labs and networks
- **Synthetic Aperture Radar Simulation Tool:**
  - Analyzed and tested MATLAB code within a cross-functional team
- **Acquired Secret Security Clearance**

**Raytheon Space and Airborne Systems**—*IT Strategy and Innovations Intern*

June - Sept 2019

*El Segundo, CA*

- **Machine Learning:**
  - Wrote a Python script by skewing/transforming 10 images and accumulated 100 images total to train the model on a larger dataset
  - Experimented by installing a model that contains a pre-trained dataset with common objects that can identify and track them live
  - Purpose was to eliminate human error at receiving docks across Raytheon when reviewing incoming packages
- **Goleta Raytheon Vision System Site:**
  - Wrote a Python script to help organize storage shelves at the Goleta RVS site because there was a physical capacity issue
  - Turned script into iOS app in collaboration with teammate to improve usability for any employee
- **AR Apps:**
  - Introduced 10+ AR Apps to engineers to demonstrate how they can use VR and AR to display their products to customers
- **Shuttle Bus App:**
  - Refined and updated the Shuttle Bus App for Raytheon employees to plan rides from different parts of the campus
  - Simplified the UI and made adjustments to back-end for efficiency

**Washing Machine**—*Personal Project*

July 2017

*Long Beach, CA*

- Home washing machine broke due to swollen capacitors
- Fixed machine by deciphering error code and by soldering 2 new capacitors onto the motherboard

**Project ECHO**—*Business Proposal*

Nov 2015

*Los Angeles, CA*

- Guided and worked with a group of 5 people to create a business plan and presented it at UCLA in front of judges
- 

## Technical Skills

- **Programming Languages:** Python, C++, Java, SQL, R, HTML/JavaScript/CSS
- **Tools:** MacOS, Windows, Linux, Microsoft Office, MATLAB, React, Web2py, Xcode

## Soft Skills

- **Languages:** Fluent in English, Cantonese; Proficient in Mandarin
- 

## Awards/Volunteer Work

### • Certifications

- Red Cross Lifeguard Certified
- Red Cross CPR/AED/First Aid Certified
- Administering Emergency Oxygen
- Asthma Inhaler Training
- Blood Pathogens Training
- Epinephrine Auto-Injector Training
- First Aid for Public Safety Personnel (Title 22)

### • Volunteer Work

- Long Beach Veterans Affairs Hospital (40+ hours): Helped transport veterans to and from their appointments
- City of Long Beach Health Department (20+ hours): Participated in creating a survey that showed how many stores in Long Beach sold tobacco to under aged people