

Christopher Wu Quach

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Education

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

June 2022

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