

# TAYLOR WONG

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## PROFESSIONAL EXPERIENCE

**Knapp Scholar Research Intern**, Knapp Chair Team of Liberal Arts  
San Diego, CA | *Jan. 2018 – Present*

- Worked under Mark and Erik Demaine from MIT to explore ideas surrounding geometric origami, structural integrity, and design
- Solved architectural and engineering puzzles with a coding team
- Created audio and video processes from project creation sites in Tijuana and within the San Diego Community

**Resident Assistant**, Residential Life at USD  
San Diego, CA | *Aug. 2017 – Present*

- Supervised a floor of 30 first-year students as a positive mentor, confidant, and Campus Security Authority (CSA)
- Managed administrative tasks, student conduct reports, and confidential documents using TargetX on Salesforce

**Marketing Manager**, Outdoor Adventures at USD  
San Diego, CA | *Sep. 2016 – Present*

- Promoted 10% growth in outdoor programs and trip participation
- Provided management in event planning for more than 15 trips

**Mobile Interaction Design Intern**, sciRobot  
San Francisco, CA | *Mar. 2017 – Aug. 2017*

- Led and trained a team of 10 to develop the necessary components of the Activity Companion Robot (ACRO)
- Collected physical mobility data using A/B testing in local care facilities to meet client needs and limitations
- Researched and designed music and movement therapy packages

## TECHNICAL PROJECTS

**Programming Assignment** (Swift) | Jan. 2018

- Created an interactive word-guessing game on Xcode where each player has a limited number of turns to guess the letters in a word

**Programming Assignment** (C) | Nov. 2017

- Designed and implemented a cache simulator program that read in a trace file and specified the number of memory accesses, simulated the cache, and printed out the statistics about the cache, including hit rate, miss penalty, time elapsed, etc.

**Programming Assignment** (Python) | Sep. 2017

- Built, tested, and implemented a web scraping program using Vim with Linux that manipulated data collected from a specified website and critically analyzed the data on a micro and macro level using wrappers, strategy, and closure

**Master ACRO App** (XAML and C#) | sciRobot | Mar. 2017 – Aug. 2017

- Designed the user interface for the cross-platform mobile app that updated, synced, and configured ACRO products, as well as controlled various features and activity program details

## EDUCATION

**University of San Diego (USD)**  
**Shiley-Marcos School of Engineering**  
Bachelor of Arts in Computer Science  
Minors in Business Administration and Mathematics  
*Expected May 2019 / GPA: 3.73/4.00*

### Honors

USD's Dean's List, First Honors

### Relevant Courses

Computer Systems, Object-Oriented Design, Linear Algebra, Organizational Behavior, Mobile App Development, Data Structures and Algorithms (Sp. 18)

## SKILLS

### Programming Languages

Proficient in Java, Python, C/C#, Swift, HTML5, CSS 3, Matlab

### Software

Linux, IntelliJ, Xcode, Visual Studios, Salesforce, TargetX, Atom, Adobe Illustrator and Photoshop

### Programming Projects

Bitbucket access available upon request

### Competitions

Putnam Math Competition | 2017

## EXTRACURRICULAR ACTIVITIES

S<sup>3</sup> Stem Cohort Member | 2017 - Present

Executive Board Member, Less Than Three Hip Hop Crew | 2016 - Present

Volunteer at Project Outreach, Grace Church | 2016 - Present

Filipino Ugnayan Student Organization Member | 2016 - Present

## INTERESTS

Backpacking the Pacific Crest Trail, songwriting, sketching, photography, rock climbing, and traveling the world