

# Taylor Wong

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## EDUCATION

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

**Minors in Business Administration and Mathematics**

- *Honors:* Dean's List, First Honors Scholar, Mortar Board, IEEE Honor Society, Eta Kappa Nu
- *Relevant Courses:* Computer Systems, Object-Oriented Design, Automata, Computability and Formal Languages, Organizational Behavior, Mobile App Development, Data Structures and Algorithms

## SKILLS

**Technical:** *Experienced:* Java, Python, C/C#, Swift, Linux, Salesforce, TargetX, Xcode, IntelliJ, Excel

*Proficient:* HTML, CSS, XML, MATLAB, Visual Studios, LaTeX, Illustrator, Photoshop

**Developmental Tools:** GDB, Valgrind, Git Source Control, AVFoundation, Atlassian Bitbucket

## PROFESSIONAL EXPERIENCE

**USD Department of Mathematics** **San Diego, CA**  
*Research Intern* Jan. 2018 – Present

- Explored student conjectures surrounding gluing flexible material to produce rigid polyhedrons
- Tested existing theories regarding paper hyperbolic paraboloids by folding 50+ models
- Collaborated with a team to present our findings in a publication, "*Building with Art & Mathematics*"

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

- Supervised a floor of 30 students as a positive mentor, confidant, and Campus Security Authority
- Managed administrative tasks, student conduct reports, and confidential documents using Salesforce
- Organized 10+ programs that encouraged building community and supported embracing diversity

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

- Led and trained a team of 10 to develop the necessary components of the Activity Companion Robot
- Collected physical mobility data using A/B testing in local care facilities to meet client needs
- Performed in-depth research on the target market to design music and movement therapy packages

## TECHNICAL PROJECTS

**Algorithm Analysis Program** / Java Feb. 2018

- Implemented four different algorithms to find the maximum subsequence sum in a list of numbers
- Analyzed the efficiency and complexity of each algorithm applying knowledge of the Big-O notation

**Conway's Game of Life Program** | C Dec. 2017

- Developed a thread implementation using Vim to optimize process runtime in virtual memory

**Cache Simulator Program** | C Nov. 2017

- Simulated a multilevel cache using knowledge of processors, associativity, and replacement policies

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

**Leadership Student Group** **San Diego, CA**  
*Outreach Coordinator* Jan. 2018 – Present

- Networked with business leaders in San Diego to encourage partnership with our club of 20 students
- Doubled club membership by implementing improved marketing strategies catering to all students

**Less Than Three Hip Hop Crew** **San Diego, CA**  
*Executive Board Member* Aug. 2016 – Present

- Oversaw organizational duties for general body meetings and managed 10+ performances
- Monitored a \$3,000 budget through cooperating with the USD Club Sports Department

**Interests:** Guitar | Music | Sketching | Photography | Rock Climbing | Hiking