

# 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, S<sup>3</sup> Stem Scholar, Industry Scholar
- *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