

Taylor Wong

Orinda, CA | (925) 482-4482 | taylorwong@sandiego.edu
[linkedin.com/in/taylor-wong](https://www.linkedin.com/in/taylor-wong) | github.com/wongtaylor | <https://wongtaylor.github.io>

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, S³ 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