

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, Eta Kappa Nu Honor Society (top 25% of engineering students)
- *Relevant Courses:* Computer Systems, Object-Oriented Design, Automata, Computability and Formal Languages, Organizational Behavior, Data Structures and Algorithms, Mobile App Development

SKILLS

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

Proficient: HTML, CSS, XML, MATLAB, Visual Studios, Salesforce, Illustrator, Photoshop

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

RELATED EXPERIENCE

Hands-On Technology

San Diego, CA

STEM Curriculum Developer

Apr. 2018 – Present

- Develop curriculum to cover an introduction to Java Programming and Android app development
- Fabricated 10 Arduino projects, including a pre-lab, lab, and post-lab for each lesson and activity

USD Department of Mathematics

San Diego, CA

Research Intern

Jan. 2018 – Present

- Explore theories surrounding paper hyperbolic paraboloids and polyhedrons by fabricating 50 models
- Collaborated with a team to present our findings in a publication, "*Building with Art & Mathematics*"

sciRobot

San Francisco, CA

Mobile Interaction Design Intern

Mar. 2017 – Aug. 2017

- Motivated a team of 12 to meet time benchmarks during a five-month project onto completion
- Collected data using A/B testing in local care facilities to decrease production costs by 20%

TECHNICAL PROJECTS

Text Compression Program | *Java*

Apr. 2018

- Engineered an efficient dictionary and hash table with separate chaining to reduce collisions and time

Automata from Regular Expressions | *Python*

Mar. 2018

- Parsed the regular expression into a syntax tree using two stacks and constructed an equivalent NFA
- Converted NFA to DFA finding epsilon closure on the transitions and output the validation of strings

Cache Simulator Program | *C*

Nov. 2017

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

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Residential Life at USD

San Diego, CA

Resident Assistant

Aug. 2017 – Present

- Supervise a floor of 30 students as a positive mentor, confidant, and Campus Security Authority
- Organized 10+ programs that encouraged building community and supported embracing diversity

Mortar Board Senior Honor Society

San Diego, CA

Chair of Service and Philanthropy

Apr. 2018 - Present

- Nominated and recognized for outstanding achievement in scholarship, leadership, and service
- Selected as one of 30 students among applicants from the top 35% of third-year USD students

Leadership Student Group

San Diego, CA

Outreach Coordinator

Jan. 2018 – Present

- Reach out and solidify speakers for our club on servant leadership and business development

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