

Taylor Wong

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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 Scholar, Industry Scholar, S³ Stem Scholar

Relevant Courses

Computer Systems, Object-Oriented Design, Automata, Computability and Formal Languages, Organizational Behavior, Mobile App Development, Data Structures and Algorithms

SKILLS

Programming Languages

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

Software

Linux, IntelliJ, Xcode, Visual Studios, Salesforce, TargetX, Atom, LaTeX, Illustrator, Photoshop, Storyboarding

Developmental Tools

GDB, Valgrind, Git Source Control, AVFoundation, Atlassian Bitbucket

Programming Projects

Bitbucket access available upon request

Competitions

Putnam Math Competition | 2017

EXTRACURRICULAR

ACTIVITIES

Outreach Coordinator, Leadership Student Group | 2018 – Present

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

Member of Filipino Ugnayan Student Organization | 2016 – Present

TECHNICAL PROJECTS

Automata Conversion Program (Java) | Mar. 2018

- Applied the algorithm for converting machines using knowledge of regular languages and (non)deterministic computation

Algorithm Analysis Program(Java) | Feb. 2018

- Implemented different algorithms finding the maximum subsequence sum in a given list of numbers and analyzes the efficiency applying knowledge of Big-O notation and algorithms

Armed Forces Fitness App (Swift) | Jan. 2018

- Integrated Model-View-Controller architecture to build a user-friendly app that calculates fitness scores for each military branch

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

- Developed a thread implementation to optimize process runtime in virtual memory using VIM on Linux to simulate the Game of Life

Cache Simulator Program (C) | Nov. 2017

- Created a cache simulator that read in a trace file with the specifications for the cache, then simulated and printed the statistics about the cache (i.e. hit rate)

Master ACRO App (XML/C#) | Mar. 2017 – Aug. 2017

- Designed the user interface for the cross-platform mobile app that controlled ACRO products features and activity program details

PROFESSIONAL EXPERIENCE

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

- Explored conjectures surrounding geometric origami/design and structural integrity in order to solve engineering challenges

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

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
- Managed administrative tasks, student conduct reports, and confidential documents using TargetX on Salesforce
- Organized programs that supported community and diversity

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

- Used Salesforce to proactively analyze event and trip participation
- Managed the Outdoor Adventures website and program marketing

INTERESTS

Playing the guitar, music, sketching, photography, rock climbing, hiking