

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: 3.65

Minors in Business Administration and Mathematics

- Honors: Dean's List, First Honors, Eta Kappa Nu Honor Society (top 25% of engineering students)
- International Collegiate Programming Contest (ICPC), 2018 Southern California Regional Contest

Relevant Courses:

- Neural Networks
- Data Structures and Algorithms
- Automata, Computability and Formal Languages
- Object-Oriented Design
- Organizational Behavior
- Computer Systems

WORK EXPERIENCE

Clarity Design | Software Engineering Intern

Jun. 2018 – Aug 2018

- Restructured SQL database system for optimization, reduced the number of tables needed by 25%
- Designed graphic user interface for the corporate ASP.NET website to improve overall usability

Hands-On Technology | STEM Curriculum Developer

Apr. 2018 – Jul. 2018

- Strategically constructed and designed computer science curriculum for a one-week camp that served as STEM exposure to elementary and middle school students

SciRobot | Mobile Interaction Design Intern

Mar. 2017 – Aug. 2017

- Developed a cross platform app with music/movement therapy packages to support Activity Companion Robot
- Collected physical mobility data from 60+ participants in assisted living facilities to speed up prototyping

TECHNICAL PROJECTS

Senior Design Project | L3 Technologies Sponsored

Sep. 2018 – Present

- Designing and implementing a PID controller for interferometer stabilization and robustness
- Exploring machine learning capabilities to increase the level of control for a given environment

Twitter Event Classification Program | Python

Dec. 2018

- Engineered an artificial neural network to classify Tweets into different crisis categories using Keras

Flight Search System Program | Java

May 2018

- Used Dijkstra's algorithm to create a program that finds the fastest route between two given cities

Conway's Game of Life Program | C

Dec. 2017

- Developed a multi-thread implementation to optimize process runtime in virtual memory on Linux

SKILLS

Programming Languages

- *Advanced:* Java, Python, C
- *Proficient:* C++, JavaScript, Swift, SystemVerilog, SQL, HTML, CSS, XML
- *Familiar:* C#, LaTeX, MATLAB

Software Tools: Bash, Keras, SQL Server Management Studio, ModelSim, Intel's Quartus Prime, Git/Github, Bitbucket

Design & Development: Android Studio, Xcode, Adobe Illustrator, Bootstrap, Visual Studio

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Association of Computing Machinery | President

Apr. 2018 – Present

- Oversee five executive board members and preside over all general body meetings and related affairs
- Develop a strategic plan and stronger foundation for the organization increasing member participation by 200%

Mortar Board Senior Honor Society | Chair of Service and Philanthropy

Apr. 2018 – Present

- Organize fundraisers and outreach events collaborating with USD student organizations
- Selected as one of 30 students among applicants from the top 35% of third-year USD students

Residential Life at USD | Resident Assistant

Aug. 2017 – May 2018

- Supervised a floor of 30 students as a positive mentor, confidant, and Campus Security Authority

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