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
Minors in Business Administration and Mathematics
Honors: Dean's List, First Honors, Eta Kappa Nu Honor Society (top 25% of engineering students)
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*

- Optimized the database structure to decrease the number of tables needed by 25%
- Redesigned the corporate database-driven website to mitigate risk in production

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 an app with music/movement therapy packages to support the flagship product
- Collected physical mobility data from 60+ participants in assisted living facilities to provide constructive feedback on the Activity Companion Robot to speed up the prototype process

TECHNICAL PROJECTS

Senior Design Project | *L3 Technologies Sponsored* *Sep. 2018 – Present*

- Creating a stable and robust control system to improve the calibration of an interferometer

Arithmetic Logic Unit Variant | *SystemVerilog* *Oct. 2018*

- Designed and implemented a combinational circuit on Quartus Prime Lite and debugged with ModelSim

Perceptron Neural Networks Program | *Java* *Oct. 2018*

- Engineered an artificial neural network system for classifying letters using the perceptron learning rule

Automaton Conversion Program | *Python* *Mar. 2018*

- Parsed a given regular expression into a syntax tree and constructed an equivalent NFA and DFA

SKILLS

- *Advanced Languages*: Java, Python, C
- *Proficient Languages*: JavaScript, Swift, SystemVerilog, SQL, HTML, CSS, XML
- *Familiar Languages*: C#, LaTeX, MATLAB
- *Development Tools:* Visual Studio, MS SQL Server Management, Git/Github, Bitbucket, ModelSim
- *Software*: Android Studio, Xcode, Adobe Illustrator, Bootstrap, Intel's Quartus Prime Lite
- *Operating Systems*: Linux, Windows 10

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Association of Computing Machinery | *President* *Apr. 2018 – Present*

- Oversee five executive board members, serve as a representative for the chapter, and preside over all fundraising events, general body meetings, and corporate sponsored affairs
- Tripled member participation through a stronger focus on career preparation offering technical workshops, mock interviews, and hackathons leading to positive feedback and confident students

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