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

SKILLS

Languages: Java, Python, C, C#, SQL, JavaScript, JSON, Swift, HTML, CSS, XML, MATLAB, LaTeX
Software: Linux, Git/Github, Xcode, Visual Studios, Bootstrap, Salesforce, Illustrator, Bitbucket, JIRA, Microsoft Suite, Altera Quartus, Arduino, PowerShell, MS SQL Server Management Studio, Android Studio

RELATED EXPERIENCE

Clarity Design | *Software Engineering Intern*   *Jun. 2018 – Aug 2018*

- Optimized the database structure to increase security and efficiency in production using real-time data
- Designed a user interface and site architecture and internally deployed the database-driven website

Hands-On Technology | *STEM Curriculum Developer*   *Apr. 2018 – Jul. 2018*

- Strategically constructed CS and EE curriculum covering Java, Arduino basics, and Android app development providing STEM exposure for middle school students

sciRobot | *Mobile Interaction Design Intern*   *Mar. 2017 – Aug. 2017*

- Collected data using A/B testing in assisted living care facilities to create a user-friendly mobile app using Visual Studio; the app supported an accessible, interactive smart device

TECHNICAL PROJECTS

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

- Automate the calibration of an optical fiber based interferometer using data analytics
- Explored machine learning capabilities to increase the level of control for a given environment

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

- Engineered an artificial neural network system for classifying images using perceptron learning

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

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

Cache Simulator Program | *C*   *Nov. 2017*

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

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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

- Oversee the executive board, serve as a representative for the chapter, and preside over all fundraising events, general body meetings, and corporate sponsored affairs
- Doubled 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 partnering with USD student and non-profit 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