

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 (Fall '16 – Fall '18), Eta Kappa Nu Honor Society
- International Collegiate Programming Contest (ICPC), 2018 Southern California Regional Contest

TECHNICAL PROJECTS

Senior Design Project | *L3 Technologies Sponsored*

Sep 2018 – Present

- Investigating the impact of using machine learning to tune an interferometer for stabilization and robustness
- Manage a group of 4 to meet project deadlines, establish weekly goals and ensure industry expectations are met

Web Server Program | *C++*

Feb 2019

- Built a web server program that uses the sockets API to reliably communicate over a network with TCP

Perceptron Neural Network | *Java*

Oct 2018

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

Conway's Game of Life Program | *C*

Dec 2017

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

EXPERIENCE

Association of Computing Machinery | *President*

Apr 2018 – Present

- Preside over five executive board members and over all general body meetings and related affairs
- Oversee strategic initiatives, including industry outreach, professional development, and event management

University of San Diego ITS | *Web Developer*

Feb 2019 – Present

- Designing and maintaining USD websites using Cascade Server content management system
- Integrating the Equinox Quality of Life Dashboard project into USD's infrastructure (HTML5/CSS3)

Hands-On Technology | *STEM Curriculum Developer*

Apr 2018 – Jul 2018 / Feb 2019 – Present

- Creating computer science curriculum for summer camps and workshops that serve as STEM exposure to elementary and middle school students, topics include Virtual Reality and Android mobile applications

Clarity Design | *Software Engineering Intern*

Jun 2018 – Aug 2018

- Restructured SQL database system for optimization, reduced the number of tables needed by 25%
- Designed user interface for the corporate ASP.NET website to improve overall usability (HTML5/CSS3)

SKILLS

Programming Languages

- *Advanced:* Java, Python, C, C++, x86-64, HTML, CSS
- *Proficient:* C#, SQL, JavaScript, Swift, SystemVerilog, MIPS
- *Familiar:* XML, LaTeX, MATLAB

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

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

Relevant Courses: Neural Networks, Networking, Digital Hardware, Object-Oriented Design, Organizational Behavior

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Mortar Board Senior Honor Society | *Chair of Service and Philanthropy*

Apr 2018 – Present

- Organized 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
- Managed conflict, organized 10+ events, and encouraged residents to utilize on campus resources

INTERESTS: Guitar | Music | Sketching | Photography | Rock Climbing | Hiking | Dance | Golden State Warriors