

# Taylor Wong

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Dual Citizenship: U.S. and Canada

## EDUCATION

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**University of San Diego (USD) Shiley-Marcos School of Engineering** **May 2019**  
*Bachelor of Arts in Computer Science* GPA: 3.55  
*Minors in Business Administration and Mathematics*

- Honors: Dean's List, First Honors (Fall '16 – Fall '18), Eta Kappa Nu Honor Society

## EXPERIENCE

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**RiskSense | Security Automation Engineer & Prototype Developer** *Jun 2019 - Present*

- Perform web application security assessments, mainly black box penetration testing
- Build machine learning models as solutions to apply to security problems, such as risk quantification

**Association of Computing Machinery | President** *Apr 2018 – May 2019*

- 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 – Jun 2019*

- 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 – Jun 2019*

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

**Software Tools:** Acunetix, Burp Suite, Metasploit, Nmap, Linux OS, Git/Github

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

## TECHNICAL PROJECTS

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**Senior Design Project | L3 Technologies Sponsored** *Sep 2018 – May 2019*

- 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

**Twitter Classification Model | Python** *Dec 2018*

- Created a ML model that categorized Tweets as various crisis events using Natural Language Processing

**Perceptron Neural Network | Java** *Oct 2018*

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

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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**Mortar Board Senior Honor Society | Chair of Service and Philanthropy** *Apr 2018 – May 2019*

- 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