

Jason Ethan Wu

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Education

University of California, San Diego	<ul style="list-style-type: none">• Computer Engineering B.S. in 2018• 4.0 Engineering GPA
Programming Languages	<ul style="list-style-type: none">• Proficient in Java, C++, C#, C, HTML.• Experienced in Python, JavaScript.

Work Experience

CSE Tutor/Mentor @ UCSD CSE Department	<ul style="list-style-type: none">• Mentored and tutored 2 quarters of over 200 students on data structures and OOD.• Provided help through lab hours, holding study sessions, and also planning, administering, and grading assignments and exams.
SDHacks Hackathon Organizer @ UCSD SDHacks	<ul style="list-style-type: none">• Cooperated with a school-wide effort to fund UCSD's first Hackathon by raising \$300,000 in sponsorships.• Led the mentoring team, organized bus logistics, and maintained websites.
Assistant Instructor @ Tech Know How	<ul style="list-style-type: none">• Taught 20 children at once for game design and robotics in week-long day camps as an instructor.• Worked 35 hour work weeks for 3 years, received all positive feedback from participants.

Projects and Experience

Boxes 2014-Present	<ul style="list-style-type: none">• Developed a programming puzzle game from scratch using Unity (C# Scripting).• Received over 7,000 plays and retained an impressive 3.5 star rating on a popular online showcase site. (http://www.kongregate.com/games/Epixyl/boxes)
UCSD Beginner's Programming Competition 2014-2015	<ul style="list-style-type: none">• Three-time winner in a university-wide coding challenge open to all UCSD students who have not taken upper-division courses.• Solved many difficult questions using data structures, algorithms, simulations, and more.
Personal Website 2014-Present	<ul style="list-style-type: none">• Created my own website using HTML/CSS paired with JavaScript and JQuery to create an elegant website containing more information about my background and projects.• Based off of the Bootstrap framework.
RemindMe 2014	<ul style="list-style-type: none">• Created a reminder Android app that allows users to get daily or weekly notifications for small tasks that they decide on such as "meet up with a friend."
Server Management 2015-Present	<ul style="list-style-type: none">• Repurposed an old desktop to set up and run a Linux server featuring SSH and an Apache server to test websites.

Class Projects

Data Structures & OOD CSE 12	<ul style="list-style-type: none">• Performed a case study analysis of Object-Oriented design in C, C++, and Java to recommend which approaches were best suited to solve programming problems.• Nine projects implemented a stack-based calculator that evolved to utilize binary trees, circular linked lists, and hash tables.
Computer Organization & Assembly CSE 30	<ul style="list-style-type: none">• Created several projects coded in C and SPARC assembly to apply knowledge about how the underlying system works.• These were integrated into projects like an encrypter/decrypter and a version of the Unix "sdiff" command.
Analog Circuits ECE 35	<ul style="list-style-type: none">• Designed and created circuits such as a signal reconstructor, optical data link, and a band pass filter to implement concepts like DC/AC circuit analysis, op-amps, and diodes.
Machine Learning Stanford online course	<ul style="list-style-type: none">• Created many regression and optimization programs in Matlab that utilized learning algorithms and linear algebra.• These concepts were used in a photo OCR used to detect text and objects in an image.