Alan Lam

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Education

Sep. 2015 - Dec. 2019	**B.S. Mathematics - Computer Science**, *UC San Diego*	GPA: 3.467/4.0
	Mathematics Education Minor	Provost Honors

Experience

Jul. 2019 - Present — **Computer Science Instructor**, *ThoughtSTEM*

I'm currently co-leading a coding bootcamp designed to teach data science using Racket. I present exercises to the class and explain some concepts in those exercises.

Jul. 2019 - Present — **Computer Science Tutor**, *UCSD CSE Department*

I'm currently serving as a tutor for CSE 7, Introduction to Programming with Matlab. I'm working one-on-one with students to guide them through labs and helping them understand introductory programming concepts.

Jan. 2019 - Present — **Instructor Aide**, *UCSD Extension*

I'm currently serving as an instructor aide for iOS and Android Programming courses. I help students debug their apps and verify that their apps are working.

Jan. 2019 - Jun. 2019 — **Teaching Apprentice**, *Kearny High School*

I assisted the teacher in helping individual high school students with Integrated Math 3. I also lead classroom instruction with the teacher present in the classroom. Topics include PEMDAS, polynomials, writing equations of graphs, exponential growth, trigonometry, and probability.

Jun. 2018 - Aug. 2018 — **Computer Science Mentor**, *ThoughtSTEM*

I assisted the instructors in helping middle and high school students debug programs in Racket. I learned Racket with the students while the instructors presented the material and answered student questions.

Projects   (more at aln.netlify.com/projects)

Fall 2018, Spring 2019 — **Numerical Analysis Learning Resource**

I wrote an online mini-textbook using my notes from MATH 170A & 170B. It presents the material in a story-like manner. I wrote it with the intention of making math easy to read and follow.

Fall 2018 — **Intro to CS Tutorials**

I created a series of interactive tutorials introducing programming in Java, Python, C, and C++. They're intended to familiarize beginners with basic concepts that are often used in programming.

Spring 2018 — **Web Dev For Beginners**

For my Public Rhetoric and Practical Communication class, I created a learning resource introducing HTML & CSS. It's intended for beginners who have never used HTML & CSS.