

Evan Chang

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Education	University of California, San Diego		Cumulative GPA: 3.494 Junior Standing
	Bachelor of Science, Mathematics-Computer Science SEPTEMBER 2016 - JUNE 2020		
Relevant Coursework	COMPUTER SCIENCE Object-Oriented Programming, Data Structures, Software Tools and Techniques, Discrete Mathematics, Computer Organization and Systems Programming, Algorithms (on-going)		
	MATHEMATICS Linear Algebra, Calculus and Analytic Geometry, Differential Equations, Vector Calculus, Mathematical Reasoning, Combinatorics, Statistical Methods, Modern Algebra (on-going)		
	COGNITIVE SCIENCE Introduction to Data Science, Data Science in Practice		
Skills	Proficient in <ul style="list-style-type: none">• Java• C++• C• Python• Unix/Linux• vim	Experience in <ul style="list-style-type: none">• ARM architecture• BASH• html• js• css• R• gdb• git• adb• SQLite• MATLAB• Photoshop• Microsoft Office Programs	
Work Experience	Robosion 2018 Software Development Consultant <ul style="list-style-type: none">• Trained natural language processing AI (Wit.AI, Amazon Lex, DialogFlow) to understand a user for English teaching robot.• Developed games and conversations for robot in Android Studio.• Created and organized spreadsheets and SQLite database for robot's content.• Managed two writers to create content for robot.		
Projects	UCSD Class Scheduler Chrome Extension <ul style="list-style-type: none">• Adds a button to UCSD class scheduling site that adds class schedule to Google Calendar.		
	YouTube Trending Videos Exploration <ul style="list-style-type: none">• Worked in a team to find how videos go trending on Youtube through correlations between videos.• Cleaned, scraped, and analyzed publicly accessible data on YouTube's trending videos.		
	Huffman Compress/Decompress Program <ul style="list-style-type: none">• Implemented encoding and decoding of any file with bitwise I/O.• Used Huffman algorithm to encode/decode efficiently.		
	Six Degrees of Kevin Bacon <ul style="list-style-type: none">• Designed and implemented a graph that finds the shortest path within six degrees between two actors through co-actors in movies they have starred in.		
	Egyptian Ratslap Game <ul style="list-style-type: none">• Replicated the card game Egyptian Ratslap for two players in Java with a GUI.		
Awards	Meritorious Award in High School Mathematical Contest in Modeling (HiMCM) <ul style="list-style-type: none">• Created a mathematical equation to find the amount of time it takes for a train full of people to exit a station for a 36 hour mathematical model team-based competition.		