

# Evan Chang

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

