

OLIVER GOCH
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Education:	University of California, Los Angeles <i>Expected Graduation: June 2020</i> Computer Science & Engineering Relevant Courses: Data Structures, Computer Architecture, Circuit Theory, Digital Design, Computer Logic, Software Construction, Algorithms and Complexity, Design of Computer Languages, Principles of Operating Systems, Systems and Signals
Work Experience:	Sdg Mfg Co. 2016 <ul style="list-style-type: none">○ The company is a local horticulture tag manufacturing company○ I worked as a graphic designer using Adobe Photoshop and Illustrator○ I created some of the logos for company use○ I did accounting for the company in addition to my other responsibilities
Skills:	C/C++, Java, HTML/CSS, Soldering, Arduino, Word, Excel, PowerPoint, Bash, Python
Personal Projects:	<div><div>Arduino Microcontroller Present<ul style="list-style-type: none">○ The controller uses C○ I have completed many projects, starting with premade code and eventually writing my own code○ These projects range from simple, with LEDs and resistors, to more complex with LCDs and DC motors</div><div>BruinNav 2017<ul style="list-style-type: none">○ C++ navigational program○ Used A* algorithm for shortest route○ Used various data structures in implementation</div><div>Bugs 2017<ul style="list-style-type: none">○ C++ simulation program○ Simulated bug colonies and grasshoppers○ Used various data structures in implementation</div><div>Hangman Game 2016<ul style="list-style-type: none">○ I developed this C++ game taking inspiration from a project in class○ The game itself is in the shell, using text to play○ Users could interact with the single input devices to play the game</div></div>
Organizations:	UCLA Engineering Ambassadors Present <ul style="list-style-type: none">○ Represent the School of Engineering○ Give tours to various groups ranging from alumni to prospective students
Leadership:	<div><div>Bruin Racing – Electric Vehicle Social Director Present<ul style="list-style-type: none">○ Working with other team members to organize social events for the Bruin Racing and the Electric Vehicle team○ Teaching new members basics of Electrical Engineering and organizing projects for them to complete</div><div>High School – President, Vice President, Treasurer 2015-2016<ul style="list-style-type: none">○ I was president of Physics Club, conducting meetings and running experiments○ I was Vice President of National Honors Society, organizing and leading major service activities○ I was Treasurer for California Scholarship Federation, Democrats Club, and Robotics Club, where I oversaw funds for these clubs and confirmed that members paid dues○ I was also Supervisor for the Robotics Club, overseeing construction of the first robot</div></div>