

EDUCATION	University of California, Berkeley , May 2020 <i>Bachelor of Science, Electrical Engineering and Computer Science</i>	
	Saint Francis High School , Mountain View, CA (May 2016) <i>High School Education, Graduated in 3 years</i>	
COURSES	Machine Learning*, Optimization Models*, Digital Image Processing*, Digital Signal Processing, Probability and Random Processes, Control Systems, Algorithms, Information Theory, Robotics, Networks, Computer Architecture	
SKILLS	Languages: Python, Matlab, C, RISC-V, Java, Swift (iOS), SQL Other: Micro-controllers, Circuit design/prototyping, CAD, 3D Printing, Laser Cutting	
WORK EXPERIENCE	Apple Inc. , <i>Product Security Intern (12 weeks)</i> 2017 - Created a Command Line Interface (CLI) to perform complex queries on a distributed graph database - Designed and implemented a server automation project	
	UC Berkeley Research , <i>Computational Medical Imaging (12+ weeks)</i> 2018 - Formulated a volumetric MR image stitching solution to minimize overlap artifacts in Prof. Michael Lustig's Lab	
	UC Berkeley EECS Department , <i>Undergraduate Student Instructor</i> 2018-19 - For EE120 (Signals), EE16B (Intro to EE), & CS61C (Computer Architecture)	
CLUBS	Robotics @ Berkeley , <i>Vice President</i> 2017-18 Cal Hacks 4.0 , <i>Director</i> 2017	
PROJECTS		
	Digital Signal Processing (EE123) 2018 • Implemented our own variant of JPEG image compression and an AFSK modem to transmit images across a room. Placed third in the class.	
	Probability and Random Processes (EE126) 2018 • Using a Random Walk on a Markov Chain , generated new music by training on existing music of different genres.	
	Algorithms (CS170) 2018 • Wrote a greedy algorithm to approximate a solution to an NP-Hard Problem (Graph Partitioning)	
	Networks (CS168) 2017 • Router implementation - implemented distance-vector routing , a distributed routing algorithm • WAN Optimizer - built a middlebox application that optimizes the amount of data transmitted over a wide area network (WAN)	
	Robotics (EE106A) , Segwaybot 2017 • Designed and implemented a PID controller for a inverted-pendulum robot that self-balances on two wheels. segwaybot.weebly.com	
	Robotics at Berkeley Competition , Third Place 2016 • Created a Automated Snack Delivery Robot using CAD, Raspberry Pi, OpenCV, Homemade Line Sensors, and a Motor Controller	