Sukrit Arora

526B Porpoise Bay Terrace
Sunnyvale, CA 94089

sukrit.arora@berkeley.edu
(508)-530-1988

EDUCATION

University of California, Berkeley, May 2020
Bachelor of Science, Electrical Engineering and Computer Science
(Technical/Overall GPA: 4.0/3.75)

Saint Francis High School, Mountain View, CA **(**May 2016**)**
High School Education, *Graduated in 3 years* (3.97/4.72)

SKILLS

Coursework: Data Structures*, Discrete Mathematics and Probability Theory*, Designing Information Devices and Systems I & II*, The Structure and Interpretation of Computer Programs
Langauges: Python, Java, Swift (iOS), SQL, HTML, CSS, and C
Other: Arduinos, DipTrace, Open CV, CAD, 3D Printing, Laser Cutting

PROJECTS

3rd Place in Tech for Good at Hack UCSC (2017)
- Developed a chrome extension that would calculate the total calories of an online recipe and display the total calories as well as the highest calorie items, enabling users to become more health aware.
- Used Google Cloud NLP API, Beautiful Soup/ Scrapy python libraries for web scraping, HTML, CSS, and JavaScript

Laser Tag with Drones (UAVs @ Berkeley) (2016)
- Currently working on a team to make a working version of laser tag with drones from the ground up

3rd Place in Robotics at Berkeley Dorm Ex Machina Competition (2016)
- Created a Automated Snack Delivery Robot
- CAD'ed and built the robot from the ground up with a $100 budget
- Used a Raspberry Pi, OpenCV, Homemade Line Sensors, and a Motor Controller

Wallpaper Setter Using Reddit API (2016)
- Created a wallpaper setter in python that used Reddit APIs to get the latest landscape pictures from r/ EarthPorn and set them as my desktop background

CalHacks 3.0 (2016)
- Created MileStones, a scavenger hunt web app that takes users from one location to the next based on user feedback, allowing them to discover and explore new places that match their taste.
- Used Yelp, Weather.com, and IBM Watson APIs and Flask Libraries to create a working prototype in only 36 hours time

Engineering Summer Academy at The University of Pennsylvania (2015)
- Competitive residential summer program at UPenn in Robotics
- Placed first in final BattleBots competition

*Current coursework

HackingEDU Hackathon (2015)

- Developed a beta version of a sign language to text converter
- Developed on a LEAP motion with Python using LEAP motion API and a neural network machine learning algorithm to make hand recognition faster and more accurate

Founder of Food Watchers (2014)

- Food Watchers is an iPhone application designed in partnership with Stanford's Lucile Packard Hospital's Pediatric Weight Management Program
- Encourages healthy food habits for obese participants in a simple and accessible way
- Has been rolled out to current participants of the program and has over 300 downloads in 5 different continents

LEADERSHIP/EXTRA-CURRICULAR

- Internal Vice President, Robotics @ Berkeley 2017
  - A part of a small leadership team that organizes events and competitions for team members
- National Merit Scholarship Finalist 2017
- Technical Director, Lighting and Sound Designer, St. Francis High School 2013-2016
  - For 7 Main Stage Productions: Midsummer Night's Dream, Footloose, Tammy: A Coming of Age Story, Phantom of the Opera, Dead Man Walking, Empowered: How One Girl Scout Ruined The World Economy, and Fiddler On The Roof
  - For International Showcase 2014, 2015
- President, A/V Club 2013-2016 (President 2015)
  - Organize all audio and visual aids for on-campus events
  - Lead and teach peers skills and techniques,
- Board Member, California Scholarship Federation 2015
  - Teacher's Assistant for Algebra 2/Trigonometry course and Computer Programming
- Pianist 2006-Present
  - Performed in audiences of 500+ in the Habitat for Gurgaon School of Music
  - Certified Grade 5 Merit Pianist by ABRSM 2014
  - California Level 8 Certificate of Merit Pianist 2015