

# Kaushik Tandon

kaushiktandon@gmail.com • 408-891-0387 • www.linkedin.com/in/kaushik-tdandon • 21192 Maria Lane, Saratoga, CA

**Objective:** Motivated college sophomore aiming to use his coding experience in a software engineering internship

## EDUCATION

**University of Southern California, Viterbi School of Engineering** Los Angeles, CA  
*Computer Engineering and Computer Science, GPA: 3.66* May 2021  
Relevant Coursework – Intro. to Algorithms, Data Structures, Intro. to Embedded Systems, Internet of Things

**Monta Vista High School** Cupertino, CA  
*GPA: 3.83* June 2017  
Relevant Coursework - 8 AP classes, took classes at community colleges (Physics 4A, Statistics, C++, JavaScript)

**SKILLS:** Python, C++, Java, JavaScript, SQL, Data Science, Machine Learning, Arduino, HTML, ROS

## EXPERIENCE

**The Brane** June 2018 – Present  
*Knowledge Graph Intern*

- Developed Wikipedia scraper in Python to extract important information from 1000s of Artificial Intelligence topics
- Added over 3000 nodes and 10000 links to database, expanding size by over 50%

**Seqwa**  
*Data Science Associate Intern* June 2018 – August 2018

- Analyzed product for potential sources of data to collect to understand user
- Wrote reports and researched methods to programmatically generate narratives and insights for the user's data

**TechLab Education (Start-up company in San Jose, CA)** June 2017 – August 2017

- Developed Machine Learning content to teach high school students

**COSMOS UC Davis (California State Summer School for Math & Science)** July 2016 – August 2016

- Part of Quantum Mechanics & Applications to Nanotechnology Cluster, Led the coding effort on team to make a Scanning Tunneling Microscope

## LEADERSHIP & INVOLVEMENT

**USC Interaction Lab** January 2018 – Present

- Worked on In-Home Socially Assistive Robots that encourage and motivate the elderly to exercise
- Developed idle behaviors for robot using Python and Robot Operating System (ROS)

**HackSC Junior** August 2017 – Present  
*Logistics Lead*

- Organize hackathon for 300 middle school and high school students, exposing many to coding for the first time

**USC Organizations** August 2017 - Present

- Active member in USC Applied Statistics Club, VRSC, USC ACM, USC IEEE, and USC AAI

## PROJECTS

**HackTech 2018: FacePay – A Facial Recognition Payment System**

- Used Microsoft Cognitive Services API, Amazon AWS Rekognition API and Walmart Search API

**SB Hacks 2018: Smart Fridge of Greatness – An IOT Fridge That Suggests Recipes**

- Used Machine Learning image recognition API, stored items in Firebase and got recipes from RecipePuppy API

**Science Fair Project: H.A.W.K. Machine Learning Algorithm for Hate Speech Detection**

- Honorable Mention, Engineering Category, Synopsys Science Fair

**Science Fair Project: Handwashing Hound: Computer Vision System to Monitor Hand Hygiene**

- Young Mind Awards Finalist in Research and Development Category

**Science Fair Project: Parking Pigeon: Android App for Enhanced Localization in Multi Story Parking Lots**

- Regional Finalist, Google Science Fair - Top 10 in age group in North/South America
- Honorable Mention, California State Science Fair