

Kaushik Tandon

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Objective: Highly motivated college freshman interested in using his extensive coding experience in a computer programming internship

EDUCATION

University of Southern California, Viterbi School of Engineering Los Angeles, CA
Computer Engineering and Computer Science, GPA: 3.93, Dean's List May 2021
Relevant Coursework - CS104: Data Structure & Object Oriented Design, EE109: Introduction to Embedded Systems

Monta Vista High School Cupertino, CA
GPA: 3.83 June 2017
Relevant Coursework - 8 AP classes including Computer Science (Java), Chemistry, Calculus BC, and Spanish. Took classes at community colleges (Physics 2A, 2B, 4A, Calculus 1C, Statistics, C++, Javascript)

EXPERIENCE

USC Interaction Lab December 2017 – Present
• Worked on In-Home Socially Assistive Robots that increase a person's motivation for doing physical activities
• Became familiar with Robot Operating System (ROS)
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
• Wrote code on Arduinos. Led the coding effort on my team to make a Scanning Tunneling Microscope

LEADERSHIP & INVOLVEMENT

USC Organizations August 2017 - Present
• Active participant in USC Vex Robotics, USC ACM, HackSC JR, and USC IEEE
Yearbook August 2014 – June 2017
Managing Editor
• Head editor of Monta Vista's Yearbook - Trained a group of 25 students and reviewed every page
• Previously Senior Ads Editor in 2015-16 and General Staff Member in 2014-15
Science Olympiad October 2013 – June 2017
Vice President of Team Management, Team Member
• Mentored Monta Vista's Science Olympiad 5 teams, enhanced overall group effort
• Previously Vice President of External Affairs in 2015-16, Treasurer in 2014-15
Volunteering June 2015 – August 2015
• Volunteered for Saratoga City Council Member Rishi Kumar – Researched on issues and updated newsletter
• Exhibit Interpreter at Tech Museum of Innovation in San Jose – Explained and engaged people of all ages

SCIENCE AWARDS

2016-17 Project: H.A.W.K. Machine Learning Algorithm for Hate Speech Detection
• Honorable Mention, Engineering Category, Synopsys Science Fair
2015 Project: Handwashing Hound: Computer Vision System to Monitor Hand Hygiene
• Young Mind Awards Finalist in Research and Development Category
• The Synopsys Outreach Foundation n+1 Prize Finalist
• 2nd Place, Engineering Category, Synopsys Science Fair
2014 Project: Parking Pigeon: Android Application 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
• 1st Place, Engineering Category, Synopsys Science Fair
• Congressional App Challenge Award from Congressman Mike Honda