

Kaushik Tandon

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Objective: Motivated college junior 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: 3.75 May 2021
Relevant Coursework – Algorithms, Data Structures, Artificial Intelligence, Internet of Things, Embedded Systems

Monta Vista High School Cupertino, CA
GPA: 3.83 June 2017

SKILLS: C++, Python, Java, JavaScript, HTML, CSS, C, SQL, Machine Learning, Verilog, ROS

EXPERIENCE

- Google** (*Software Engineering Intern*) May 2019 – August 2019
- Developed backend tool in C++ to improve in-app conversion tracking of users for Google Hotel Ads
 - Enabled support of new bid adjustment and smart bidding metrics for partner advertisers
 - Built offline pipeline to automatically update files in Google's codebase
- The Brane** (*Knowledge Graph Manager Intern*) June 2018 – March 2019
- Developed Wikipedia scraper in Python to extract important information from 1000s of Artificial Intelligence topics
 - Added over 100,000 nodes and 250,000 links to database throughout internship, expanding size by over 200%
- 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
- USC Interaction Lab** (*Research Assistant*) January 2018 – May 2018
- Implemented idle behaviors for In-Home Socially Assistive Robots that encourage and motivate elderly to exercise
- TechLab Education** (*Content Developer*) June 2017 – August 2017
- Created Machine Learning content to teach high school students

LEADERSHIP & INVOLVEMENT

- EurekaHacks** August 2018 - Present
- Orchestrate the logistics of bringing USC's first 24 hour data science hackathon to life
- HackSC Junior** August 2017 – Present
- 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

- FacePay: A Facial Recognition Payment System**
- Utilized Microsoft Cognitive Services API, Amazon AWS Rekognition API and Walmart Search API
- 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
- ScheduleMe: Web Application to Automatically Generate Valid Class Schedules**
- Built application with 5 others, focused on backend development and database structure
- H.A.W.K. Machine Learning Algorithm for Hate Speech Detection**
- Won Honorable Mention at Synopsys Science Fair
- Handwashing Hound: Computer Vision System to Monitor Hand Hygiene**
- Young Mind Awards Finalist in Research and Development Category
- 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