JILL WANG

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EDUCATION

Columbia University
New York, NY
M.S. in Computer Engineering, GPA: 3.6
Expected Dec 2022
Courses: Machine Learning, Big Data Analysis, Artificial Intelligence

University of Southern California, Viterbi School of Engineering
Los Angeles, CA
May 2021
B.S. in Electrical Engineering, GPA: 3.8 (*Magna Cum Laude*)

Honors: W.V.T. Rusch Engineering Honors Program, Grand Challenge Scholar, Eta Kappa Nu Honor Society

EXPERIENCE

SAP America
New York, NY
Digitization and Automation Intern
Sep 2022 - Dec 2022
- Built a customer facing platform from scratch using SAP Cloud Platform, NodeJS, HTML5 and MongoDB
- Developed both front and backend of the customer facing product singlehandedly
- Created an integrated search system for HEC (HANA Enterprise Cloud); search bot will be used to answer customer questions
- Automated price retrieval from hyper-scalers like AWS, GCP and Azure for HEC

Honda R&D Americas Inc.
Torrance, CA
Student Research Intern
May 2020 - Aug 2020
- Developed an object recognition model using a Raspberry Pi, TensorFlow, OpenCV and Python (after detecting the object, the system Wikipedia's it and converts the text into an audio file that is played)
- Developed a facial recognition system that detected the faces of colleagues and greeted them when they walked in
- Conducted research on several topics like Wi-Fi Aware, Alexa, Google Home, BLE and came up with innovative ideas for their implementation in newer car models

SAIL Media and Informatics and Content Analysis (MICA) group
Los Angeles, CA
Research Intern
Nov 2018 - May 2019
- Contributed to research project on teaching the machine the ability to distinguish between people of different races using attributes like nose structure, eye shape, face shape, etc.
- Contributed to research project on calculating the occurrence of people of different races in popular movies today to derive the amount of racial bias present in the industry
- Used Keras module to implement learning algorithms and Python to compile and manipulate various databases for training and testing

PROJECTS

Smart Spoon Spoony
Spring 2022
- Developed an intelligent spoon using a Raspberry PI, a variety of sensors, PI camera and LCD display
- Worked on the implementation and integration of hardware and software and the model used for prediction

BotScan
Fall 2021
- Developed a mobile application using TensorFlow libraries, Optical Character Recognition to aid visually impaired individuals
- Implemented bionic reading functionalities to boost reading experience for users

SKILLS

Programming: Python, C++, MATLAB, HTML, PHP, MySQL, JavaScript, CSS, NodeJS, Cordova, PhoneGap, Arduino C
Data Analysis: Hive, Hadoop, Spark, HBase, Jupyter
Applications: Xcode, Arduino IDE, VM, Linux (Ubuntu), Android Things, Raspbian