SHASHANK GINJPALLI

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EDUCATION

Arizona State University| Computer Science BS |Barrett Honors College
[AUGUST 2017 – MAY 2021]
Ira A. Fulton Schools of Engineering Dean's List
MAJOR GPA: 3.94

Relevant Coursework

Algorithms and Data Structures
Artificial Intelligence/Machine Learning
Cyber Security
Distributed Computing
Software QA and Testing
Operating Systems
Database Management
Linear Algebra
Discrete Mathematics
Probability & Statistics

University of California, San Diego | Computer Science MS
[SEPTEMBER 2021 – JUNE 2023]

LANGUAGES & TECHNOLOGIES

Languages

Python | C/C++ | Java | Swift | C# | HTML/CSS | SQL | JavaScript

Technologies/Frameworks

ReactJS | Keras | Sk-Learn | NumPy | Selenium | NLTK | TensorFlow | .NET | RESTful/Soap services | d3.js | Docker | AWS | GCP

Research

Kaleidoscope: Visual Investigation of Coverage Diversity in News Event Reporting (Co-Author)
[Submitted to EuroVis 2021]
Assisted in determining if bias exist in news outlets by clustering news articles based on similarity and Stanford's NER library to determine the tone of the article.

EXPERIENCE

Undergraduate Researcher | Sonoran Visualization Lab | Arizona State University
[AUGUST 2019 – PRESENT]
Using Bayesian modeling to research what factors make a data visualization more complex and how they influence our ability to answer questions under the supervision of Dr. Chris Bryan, an ASU Professor.

Undergraduate Researcher | Fulton Undergraduate Research Initiative | Arizona State University
[JANUARY 2020 – MAY 2020]
Developed a pipeline under the supervision of Dr. Chris Bryan to determine if NLP can be used to automatically recommend datasets based on an article and presented the project in the April 2020 FURI Symposium | Project Link

AI Intern | AutonomIQ
[MAY 2019 – AUGUST 2019]
Created a multithreaded Selenium-based smart web scraper which collects data to provide to a quality assurance platform which generates and executes testcases for a web application

Student Worker | ASU University Technology Office
[OCTOBER 2017 – DECEMBER 2018]
Worked in the IT team where I resolved over 200 support tickets for students and staff managed an inventory of over 500 devices

PROJECTS

AWS DeepRacer
[JANUARY 2020 – DECEMBER 2020]
Developed a 1/18th scale camera-based self-driving car that runs on ROS (Robot Operating System) to compete in the AWS Deep Racer Competition
Skills Used: Amazon RoboMaker, Reinforcement Learning, AWS, Docker

Deep Learning Applications – Self Driving
[JUNE 2020]
Used Udemy to learn Deep Learning and OpenCV by using them to train a self-driving car and evaluate its performance around a track in a simulator
Skills Used: Keras, TensorFlow, OpenCV, NumPy, SK-Learn

MovieList
[NOVEMBER 2019 – DECEMBER 2019]
Created a Swift application that serves a location to compile a list of movies that you would like to watch. The app uses web APIs in order to fetch information about the movie such as ratings and movie trailers
Skills Used: Swift, CoreData, Multithreading, Rest API's, IOS

Graph Algorithms
[APRIL 2019]
Created a Website that uses animations in order to teach how some popular graph traversal algorithms work
Skills Used: HTML, CSS, Bootstrap, D3.js