

Kaivan Shah

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Work Experience

Magic Leap

Software Engineer

June 2017 – Current

Satish Sadam

- Enabled development of automation system that helped transition from physical to automated inspection of wafers that increased the efficiency by ~40%.
- Gather requirement, design and implement production quality solutions for post inspection tool
- Performed data analytics and visualization using SciPy and Pandas library in Python
- Provide customer support during development and after project deployment

J.P. Morgan

Technology analyst intern

June 2016 – August 2016

Praveena Bopanna

- Created stored procedures in SQL to extract and collect data to create asset reports
- Implemented pre-processing tasks to automate the extraction of data overnight
- Improved team performance by 20% and saved time enabled them to work on high priority issues

Newgistics

Software Developer Intern

February 2016 – May 2016

Keith Vargas

- Filtered the data to highlight error prone shipping labels that in turn improved customer service by 30%
- Utilized MapReduce and HDFS to analyse the large scale data of the shipping labels
- Developed and maintained SQL scripts to store and query the database

Google Summer of Code 2015

Software Developer (OpenCog foundation)

May 2015 – August 2015

Dr. Ben Goertzel

- Built a Genetic Programming (GP) prototype that evolved arbitrary programs 10 times faster
- Produced a strongly typed GP that voided the generation of invalid structures
- Performed GP selection, crossover, and mutation to evolve programs of increasingly better quality

Skills

- Skilled in creative thinking, problem solving, teamwork, leadership
- Analyse requirements, design & develop solution, and provide support post deployment
- Adept to data structures, algorithms and databases
- Proficient in C++ and working knowledge of Python, SQL, Linux, Hadoop, AWS, MS Office Suite

Education

Bachelor of Science, Computer Science

2013 – 2017

University of Texas at Austin, Texas A&M University

- Pursued my passion for programming through multiple advanced classes and achieved a CS GPA of 3.7
- Heavy concentration in Database Management, Big Data and Probability & Statistics
- As an undergraduate researcher I implemented an unsupervised learning system using deep-coref library
- Built a review aggregator website with Bootstrap + React for front-end, python + flask for back-end, AWS RDS (PostgreSQL) for database, IGDB's API for content and AWS EC2 to host all content

Co-curricular Activities

Hack EMD: Use Vuforia with the HoloLens SDK to recognize an image and place a hologram on it in the free space

HackTx: Won 3rd price for Guitar Hero application which was built using Unity and Oculus rift

TamuHack: Won 2nd price for a VR game, JumpR, built in Unity that could be played on Google cardboard

HackUTD: Won the Walmart API prize for a web app that would order ingredients of a selected recipe