

Shivam P. Patel

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Education

B.S. in Computer Science, Mathematics, University of Texas at Austin, Austin, TX
Certification in Applied Statistical Modeling
Major GPA: 4.0 , Cum GPA: 3.97

Experience

Data Engineering Intern, Capital One, McLean, VA June 2018 - August 2018

- Incoming Intern on Data Engineering Team

Computer Science Instructor, Coding4Youth Sept 2017 - Present

- Teach students fundamentals of Java Programming through web platform
- Curated exercises to stress fundamentals of data structures and algorithm

Software Analytics Intern, McDonald's Global HQ, Chicago, IL Summer 2017

- Developed back-end logic to help identify bottlenecks in site performance
- Ensured Data Integrity between SQL Database and Tableau Reports
- Analyzed Performance Statistics with Statistical Models and Tests

Application Dev Intern, Sonne Industries, Chicago, IL June 2015 - Jan 2016

- Developed application wireframe to expand platform development for product
- Conducted Market Research through international platform

Research

Research Team Lead, Autonomous Robotics Lab, Austin, TX Aug 2017 - Present

- Spearheading RD of autonomous behavior to facilitate Simultaneous Localization and Mapping
- Fabricated Fiducial Marker localization system solely based on a visual graph network

Projects

AR-Based Localization System December 2017

- ROS System that localizes a robot based on a network of AR Tags and improved upon the Monte-Carlo Localization strategy
- Improved localization effectiveness upon previous Monte-Carlo methodology by 16.04%

Yelp Me Out! March 2017

- Web Application that simplifies searching for an experience
- Utilized Yelp-Fusion API to query search terms through web form

Organizations

Technology Director and Dancer, Punjabbawockeez, Austin, TX

- Development lead of re-making organization website
- Organized communication medium to single channel to increase efficiency

Skills

Languages: Java, Python, C++, JavaScript
Frameworks: ROS, Flask, Heroku

References

Jim Beranek @McDonalds Corporate
Sr. Manager - Analytics & Measurements
jim.beranek@us.mcd.com