

EDUCATION

Bachelor of Science, Computer Science, December 2014 GPA: 3.8/4.0
University of Missouri-Kansas City, Kansas City, MO

RESEARCH EXPERIENCE

University of Maryland, College Park MD Summer 2014

Space Systems Lab

NSF Miniature Robotics REU Research Fellow

Research Advisor: Dr. Dave Akin

- Implemented application using ROS and ARToolkit to track pose of small satellite base using visual markers

University of Missouri - Kansas City, Kansas City, MO Fall 2013 - Spring 2014

Undergraduate Research Assistant, Research Advisor: Dr. Praveen Rao

- Developed framework for testing optimization algorithms for federated SPARQL queries for RDF data using Jena library

Auburn University, Auburn, AL Summer 2013

NSF REU on Smart UAVs Research Fellow, Research Advisor: Dr. Saad Biaz

- Collaborated with teammate in designing and implementing distributed collision avoidance framework using ROS in C++

EXTRA-CURRICULAR ACTIVITIES

Chair, ACM Student Chapter Fall 2013 - Spring 2014

Secretary, ACM Student Chapter Fall 2012 - Spring 2013

- Coordinated volunteers and hosted student teams for IEEE Xtreme competition
- Organized and led weekly programming practices

Programmer, UMKC Robotics Team Spring 2012 - Spring 2014

- Designed and implemented communication interface in ROS between main motherboard and Arduino
- Implemented high level logic on Arduino for sensing and autonomous navigation through a semi-randomized 2d playing field
- Implemented ROS node in C++ to interface with Phidget IMU and output raw IMU data

HONORS & AWARDS

Vice Chancellor for Student Affairs and Enrollment Management Honor Recipient November 2014

UPE/ACM Scholarship Recipient October 2014

Best Undergrad Technical Poster, MINK - WIC Conference October 2013

Outstanding Senior, UMKC SCE Bachelor of Science in Computer Science 2013

COMMUNITY SERVICE

Robot Competition Design committee member, 2016 IEEE R5 Annual Mtg Fall 2014 - Current

CS Tutor, UMKC UPE student chapter Fall 2013 - Spring 2014