Victoria C. Wu

victoria.chen.wu@gmail.com || vptarmigan.wordpress.com || (913) 235 - 1070

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
- Taught sessions on basic programming concepts (data structures, graph implementation)

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

Programmer, UMKC Robotics Team Spring 2012 - Spring 2014
Secretary, UMKC Robotics Team Fall 2012 - Spring 2013

- Currently responsible for area of robot navigation
- Implemented ROS node in C++ to interface with Phidget IMU and output raw IMU data
- Wrote Arduino sketch that cycled through notes of a pre-programmed melody using a capacitive sensor and speaker

Peer Mentor, UMKC School of Computing and Engineering Fall 2012 - Spring 2013

PUBLICATIONS & PRESENTATIONS

Cunningham, A., Wu, V., Biaz, S., & Jones, D. "Decentralized Collision Avoidance Framework for Unmanned Aerial Vehicles." Technical Report, Auburn University. 2013.

Cunningham, A., Wu, V., Biaz, S., & Jones, D. "Decentralized Collision Avoidance Framework for Unmanned Aerial Vehicles." Poster session presented at: 2nd Biennial Missouri Iowa Nebraska Kansas - Women in Computing Conference; 2013 October 15-16; Kansas City, MO.

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