Victoria C. Wu

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

EDUCATION

Bachelor of Science, Computer Science   GPA: 3.9/4.0
University of Missouri - Kansas City, Kansas City, MO
expected December 2014

COMPUTER SKILLS

Languages & Software: C++, Python, Java; ROS, Arduino
Operating Systems: Windows, Linux

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

Auburn University, Auburn AL   Summer 2013
Department of Computer Science and Software Engineering
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++
- Experimentally verified architecture with flight tests
- Presented literature review and final results to REU group

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
Secretary, UMKC Robotics Team   Fall 2012 - Spring 2013
- 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

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
3rd place team, CCSC Central Plains Programming Contest   2012

COMMUNITY SERVICE

CS Tutor, UMKC UPE student chapter   Fall 2013 - Current
FIRST Tech Challenge Qualifications, Scorekeeper   Feb 2013
FIRST LEGO League Qualifications, Robot Design Judge   Dec 2012