

Victoria C. Wu

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

EDUCATION	<i>Bachelor of Science, Computer Science</i> University of Missouri - Kansas City, Kansas City, MO expected December 2014	GPA: 3.9/4.0
COMPUTER SKILLS	<i>Languages & Software:</i> C++, Python, Java; ROS, Arduino <i>Operating Systems:</i> Windows, Linux	
RESEARCH EXPERIENCE	<i>University of Maryland, College Park MD</i> Space Systems Lab NSF Mini Robot REU Research Fellow Research Advisor: Dr. Dave Akin <ul style="list-style-type: none">– Currently implementing application using ROS and ARToolkit to track pose of small satellite base– Application will be used to verify dynamics of base reaction to attached manipulator movement in parabolic flight	Summer 2014
	<i>University of Missouri - Kansas City, Kansas City MO</i> School of Computing and Engineering Research Advisor: Dr. Praveen Rao <ul style="list-style-type: none">– Optimization of federated SPARQL queries for RDF data– Researched essential methodologies of existing SPARQL query engines	Fall 2013 - Current
	<i>Auburn University, Auburn AL</i> Department of Computer Science and Software Engineering NSF REU on Smart UAVs Research Fellow Research Advisor: Dr. Saad Biaz <ul style="list-style-type: none">– 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– Awarded Best Undergrad Technical Poster for poster presentation at MINK-WIC (Missouri Iowa Nebraska Kansas Women in Computing) conference	Summer 2013
EXTRA-CURRICULAR ACTIVITIES	Chair, ACM Student Chapter Secretary, ACM Student Chapter <ul style="list-style-type: none">– Coordinated volunteers and hosted teams for IEEE Xtreme competition– Organized and led weekly programming practices	Fall 2013 - Spring 2014 Fall 2012 - Spring 2013
	Programmer, UMKC Robotics Team Secretary, UMKC Robotics Team <ul style="list-style-type: none">– 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	Spring 2012 - Spring 2014 Fall 2012 - Spring 2013
	Peer Mentor, UMKC School of Computing and Engineering	Fall 2012 - Spring 2013

HONORS & AWARDS	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 - Spring 2014
	FIRST Tech Challenge Qualifications, Scorekeeper	Feb 2013
	FIRST LEGO League Qualifications, Robot Design Judge	Dec 2012