

## Victoria C. Wu

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### 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  
NSF Mini Robot REU, 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

### 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