Victoria C. Wu

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

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 Mini Robot REU Research Fellow
Research Advisor: Dr. Dave Akin
  – 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

University of Missouri - Kansas City, Kansas City MO　　Fall 2013 - Current
School of Computing and Engineering
Research Advisor: Dr. Praveen Rao
  – Optimization of federated SPARQL queries for RDF data
  – Researched essential methodologies of exisiting SPARQL query engines

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
  – Awarded Best Undergrad Technical Poster for poster presentation at MINK-WIC (Missouri Iowa Nebraska Kansas Women in Computing) conference

PROJECTS

  – 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.
  – Wrote Python script to convert online fiction to EPUB format.

WORK EXPERIENCE

Maritz Research　　　　　　　　　　　　　　　　　　Jan - July 2012
Editor　　　　　　　　　　　　　　　　　　　　　　Overland Park, KS
  – Analyzed, identified, and improved key issues with customer reports.

Plano Day School　　　　　　　　　　　　　　　　　Sept - Dec 2009
Teacher's Assistant　　　　　　　　　　　　　　　　　Plano, TX
  – Tutored elementary students with school homework.

Howard Lee Harkness, Violin Teacher　　　　　　　　Dec 2008 - Feb 2009
Piano Accompanist　　　　　　　　　　　　　　　　　Plano, TX

- Rehearsed with and accompanied violin students in a culminating recital.

EXTRA-CURRICULAR ACTIVITIES	Chair, ACM Student Chapter	Fall 2013 - Current
	Secretary, ACM Student Chapter	Fall 2012 - Spring 2013
	Member, ACM Student Chapter	Fall 2011 - Current

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

Chair, ACM Student Chapter   Fall 2013 - Spring 2014
Secretary, ACM Student Chapter   Fall 2012 - Spring 2013
- Coordinated volunteers and hosted teams for IEEE Xtreme competition
- Organized and led weekly programming practices

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

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 - Current
	FIRST Tech Challenge Qualications, Scorekeeper	Feb 2013
	FIRST LEGO League Qualifications, Robot Design Judge	Dec 2012