

# JARRELL WAGGONER

## BIOGRAPHICAL DATA

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PLACE AND DATE OF BIRTH: LYNCHBURG, VA | 24 SEPTEMBER 1984  
ADDRESS: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,  
UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, SC 29208  
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## RESEARCH INTERESTS

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## EDUCATION

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CURRENT PH.D. IN COMPUTER SCIENCE, **University of South Carolina**  
ADVISOR: DR. SONG WANG

MAY 2009 MASTER OF ENGINEERING IN COMPUTER SCIENCE, **University of South Carolina**  
GPA: 3.8/4.0

MAY 2006 BACHELOR OF SCIENCE IN COMPUTER SCIENCE, **Bryan College**  
GPA: ??/4.0 | *summa cum laude*

MAY 2004 ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE  
**University of South Carolina at Lancaster**  
GPA: 4.0/4.0 | *summa cum laude*

## TEACHING EXPERIENCE

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2008–2009	<b>GK-12 FELLOW AT CRAYTON MIDDLE SCHOOL</b> <i>Teaching 8<sup>th</sup> Grade Science</i> SERVED IN CRAYTON MIDDLE SCHOOL, COORDINATING WITH THE CLASSROOM INSTRUCTOR TO ENHANCE THE SCIENCE CURRICULUM AND ACTIVITIES IN AN 8 <sup>TH</sup> GRADE SCIENCE CLASSROOM. SUBSEQUENTLY COORDINATED AND TAUGHT AT THE GK-12 INSTITUTE FOR TEACHERS, PRESENTING THE ACTIVITIES DEVELOPED AND DELIVERED IN THE CLASSROOM.
2007–2008	<b>GRADUATE TEACHING ASSISTANT AT USC</b> <i>Teaching Software Development and Web Scripting</i> SUPERVISED CSCE 145 LABS, COVERING SOFTWARE DEVELOPMENT WITH JAVA, AND TAUGHT CSCE 102, COVERING JAVASCRIPT, HTML, AND CSS.
SPRING 2007	<b>INSTRUCTOR FOR CSCE 204 AT USCL</b> <i>Teaching Introductory Programming</i> HIRED AS SPECIAL FACULTY. TAUGHT INTRODUCTORY VISUAL BASIC FOR MAJORS AND NON-MAJORS. SELECTED TEXTBOOKS, DEVELOPED ALL COURSE MATERIAL, GRADED ALL ASSIGNMENTS. WORKED WITH DR. NONI M. BOHONAK
FALL 2006	<b>CAMP INSTRUCTOR FOR USCL ARTS AND SCIENCES ADVENTURE CAMP</b> <i>Teaching 5<sup>th</sup>-8<sup>th</sup> Grade Students</i> WORKED IN COLLABORATION WITH DR. DWAYNE BROWN. ONE OF TWO INSTRUCTORS TEACHING MATH AND COMPUTER SCIENCE TO GRADE SCHOOL STUDENTS.
2003–2007	<b>PROFESSIONAL TUTOR AT USCL ACADEMIC SUCCESS CENTER</b> <i>Tutoring High School and College Students</i> STUDENT AND GRADUATE TUTOR FOR COLLEGE-LEVEL MATHEMATICS, COMPUTER SCIENCE, PHYSICS, AND ENGLISH CLASSES.

## RESEARCH EXPERIENCE

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2010–PRESENT	<b>RESEARCH ASSISTANT FUNDED BY DARPA</b> <i>Video Event Recognition</i> EXPLORED SEGMENTATION METHODS FOR VIDEO EVENT RECOGNITION WHILE WORKING AT THE COMPUTER VISION LAB AT USC. MANAGED LAB COMPUTER NETWORK AND ORGANIZE WEEKLY LAB MEETINGS. ATTENDED P.I. MEETINGS IN SAN DIEGO (2010) AND COLORADO (2011). VISITED PURDUE UNIVERSITY WORKING WITH DR. JEFFREY MARK SISKIND (DEC 2010–JAN 2011).
2009–2010	<b>NSF FELLOW AT THE CENTER FOR DIGITAL HUMANITIES</b> <i>Digital Collation</i> CREATED A DIGITAL COLLATION APPLICATION TO HANDLE AUTOMATIC DIFFERENCING OF SUB-TEXTUAL INCONSISTENCIES AMONG MULTIPLE COPIES OF <i>The Faerie Queene</i> BY EDMUND SPENSER.

## HONORS/AWARDS

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2010	GRADUATE STUDENT DAY PRESENTATION, HONORABLE MENTION	(USC)
2006	SENIOR COMPUTER SCIENCE AWARD	(BRYAN COLLEGE)
2004	CLARA P. HAMMOND AWARD	(USCL)
	SCIENCE AND MATHEMATICS AWARD	(USCL)
	HIGHEST ACADEMIC AVERAGE AWARD	(USCL)

## INVITED TALKS

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## CONFERENCES/WORKSHOPS/MEETINGS ATTENDED

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## PROFESSIONAL SOCIETIES

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## TEACHING

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## PUBLICATIONS

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- [1] A. TEMLYAKOV, B.C. MUNSELL, J.W. WAGGONER, AND S. WANG. TWO PERCEPTUALLY MOTIVATED STRATEGIES FOR SHAPE CLASSIFICATION. IN *IEEE Conference on Computer Vision and Pattern Recognition*, PAGES 2289–2296, 2010.
- [2] Z. ZHANG, Y. CAO, D. SALVI, K. OLIVER, J. W. WAGGONER, AND S. WANG. FREE-SHAPE SUBWINDOW SEARCH FOR OBJECT LOCALIZATION. IN *IEEE Conference on Computer Vision and Pattern Recognition*, PAGES 1086–1093, 2010.