Jarrell Waggoner

Biographical Data

Place and Date of Birth: Lynchburg, VA | 24 September 1984
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Education

Present **Ph.D. Candidate 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

2008—2009 | **GK-12 Fellow at Crayton Middle School**
Teaching 8th Grade Science
Served in Crayton Middle School, coordinating with the classroom instructor to enhance the science curriculum and activities in an 8th 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 | **Graduate Teaching Assistant at USC**
Teaching Software Development and Web Scripting
Supervised CSCE 145 labs, covering software development with Java, and taught CSCE 102, covering Javascript, HTML, and CSS.

Spring 2007 | **Instructor for CSCE 204 at USCL**
Teaching Introductory Programming
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 | **Camp Instructor for USCL Arts and Sciences Adventure Camp**
Teaching 5th-8th Grade Students
Worked in collaboration with Dr. Dwayne Brown. One of two instructors teaching Math and Computer Science to grade school students.

2003—2007 | **Professional Tutor at USCL Academic Success Center**
Tutoring High School and College Students
Student and graduate tutor for college-level Mathematics, Computer Science, Physics, and English classes.

Research Experience

2010—Present | **Research Assistant funded by DARPA**
Video Event Recognition
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 | **NSF Fellow at the Center for Digital Humanities**
Digital Collation
Created a digital collation application to handle automatic differencing of sub-textual inconsistencies among multiple copies of *The Faerie Queene* by Edmund Spenser.

Honors/Awards

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

Travel

[T1] Tomography and its Applications to Materials Science and Non-Destructive Evaluation. Organizd by M. De Graef, L. Drummy, J. Simmons, M. Comer, C. Bouman, and J. Knopp. At Tech^Edge, Dayton, Ohio. December 13–15, 2010.

[T2] Visiting scholar. In collaboration with J. M. Siskind. At Purdue University. December 6–22, 2010.

Professional Societies

Teaching

Summer II 2008	CSCE 102	University of South Carolina
Spring 2008	CSCE 145 Lab	
Fall 2007	CSCE 145 Lab	
Spring 2007	CSCE 204	University of South Carolina at Lancaster

Skills & Languages

» Assembly	• •	» Javacript	• • •	» Python	• •
» Bash	• • • •	» LISP	•	» Scheme	• •
» C/C++	• • • •	» Maple	• • •	» SQL	• • •
» GNU/Linux	• • • •	» MATLAB	• • • • •	» Visual Basic	• • • • •
» HTML/CSS	• • • • •	» OpenCV	• • • • •		
» Java	• • • • •	» PHP	• • • •		

Publications

[P1] 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.

[P2] 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.