Yolanda McMillian
http://www.auburn.edu/~mcmilym

Academic Address:

107 Dunstan Hall
Auburn, AL 36849
(334) 887-2189
mcmilym@auburn.edu

Permanent Address:

5315 Wexford Road
Lansing, MI 48911
(615) 403-1206
ymcmillian@hotmail.com

Education

Auburn University, Auburn, AL
Doctor of Philosophy, Computer Science, *3.9/4.0*, Expected May 2008
Distributed Listening: A Parallel Processing Approach to Automatic Speech Recognition
Advisor: Dr. Juan Gilbert

Vanderbilt University, Nashville, TN
Master of Science, Computer Science, *3.17/4.0*, May 2003

Tuskegee University, Tuskegee, AL, *Cum Laude*
Bachelor of Science, Computer Science, *3.44/4.0*, May 1999

Experience

Fall 2006 – Present
Tuskegee University, Tuskegee, AL
Adjunct Instructor
Works as a faculty member of the department of Computer Science, teaching undergraduate students.

Fall 2004 – Present
Auburn University Housing, Auburn, AL
Hall Director
Works as a staff member of the department of Housing and Residence Life with undergraduate residents in the areas of community development, policy implementation, administrative items, and residential education.

Summer 2004
Central Intelligence Agency (CIA), Metro D.C.
Summer Intern
Worked with Linux, HTML, and CISCO routers to configure networks for network security.

August 2003 – Present
Auburn University, Auburn, AL
Graduate Research Assistant
Part of the Human Centered Computing Lab where we study ways to combine information retrieval with conversational and multimodal user interfaces that allow users to interact with systems using speech.

Summer 2003
Xerox Corporation, Rochester, NY
Summer Intern
Used Evalue's Insight software to migrate an internal website to a portal that was more consistent and user friendly. Also became a Yellow Belt of Xerox Lean Six Sigma.

Summer 2002
Hewlett Packard (HP), Corvallis, OR
Summer Intern
Used Visual Café to deploy Java Beans that queried an internal database and returned the results in an HTML table.

July 1999 – August 2001
PeopleSoft, Inc, Atlanta, GA / Pleasanton, CA
Associate Consultant
Involved in the Enterprise Performance Management (EPM) Practice as a technical consultant. Performed customizations, upgrades and installations using company designed ERP solution.

Skills

Courses: Computer Animation, Operating Systems, Artificial Intelligence, Software Engineering, User Interface Design & Evaluation, Database, Software Quality Assurance, Software Process, Programming Languages, Spoken Language Systems, Experimental Statistics, Network & Operating System Administration, Natural Interactive Systems, Operating Systems: Linux, UNIX, MS-DOS

Languages: C/C++, Java, Peoplecode, LISP, ML, HTML, Visual Basic, Pascal, Assembly, PHP, WML, SQL,VXML

Hardware: IBM PC and compatible

Software: Microsoft Office Suite, Visio Technical, MatLab, PeopleTools, MAYA, Insight

Presentations

(Invited Talk)
Williams, P., Cross, E.V., Mkpong-Ruffin, I., McMillian, Y., Nobles, K., Gupta, P. & Gilbert, J.E., Prime III: Where Usable Security and Electronic Voting Meet, Usable Security (USEC 2007), Scarborough, Trinidad & Tobago, February 16, 2007.

(Invited Talk)
McMillian, Yolanda, The Benefits of Graduate School, PREFICS Lecture Series, Computer Science Department, Tuskegee University, Tuskegee, AL, July 12, 2006.

(Invited Talk)
McMillian, Yolanda, The Benefits of Graduate School, PREFICS Lecture Series, Computer Science Department, Tuskegee University, Tuskegee, AL, July 20, 2005.

(Poster Presentation)
Yolanda McMillian. (2004) Advanced Distributed Learning in an Adaptive Instruction Environment. Poster presented at the 10th Annual Conference for African-American Researchers in the Mathematical Sciences (CAARMS10)

Publications

Cross, E.V., Rogers, G., McClendon, J., Mitchell, W., Rouse, K., Gupta, P., Williams, P., Mkpong-Ruffin, I., McMillian, Y., Neely, E., Lane, J., Blunt, H. & Gilbert, J.E. (2007) **Prime III: One Machine, One Vote for Everyone**. VoComp 2007, Portland, OR, July 16, 2007.

Cross, E.V., McMillian, Y., Gupta, P., Williams, P., Nobles, K. & Gilbert, J.E., **Prime III: A User Centered Voting System.** ACM CHI '07 Extended Abstracts Works In Progress Session, San Jose, CA, May 2, 2007.

(Under Review)
Gilbert, J.E., Williams, P., McMillian, Y., Rogers, G., McClendon, J., Mitchell, W., Gupta, P., Mkpong-Ruffin, I., Cross, E.V. & Rouse, K. (2007) **A Multimodal Approach to Electronic Voting**. Universal Access in the Information Society Journal.

(Under Review)
Gilbert, J.E., Cross, E.V., McMillian, Y., Rouse, K., Mkpong-Ruffin, I., Gupta, P., & Williams, P. (2007) **A Usable Security Approach to Electronic Voting**. IEEE Computer.

(Under Review)
Gilbert, J.E., McMillian, Y., Cross, E.V., Rouse, K., Williams, P., Gupta, P., Neely, E., Lodree, E., Rogers, G., McClendon, J., Mkpong-Ruffin, I., & Nobles, K. (2007) **Prime III: An E-Voting Solution for the Elderly**. ACM Transactions on Access.

(Under Review)
Gilbert, J.E., Mkpong-Ruffin, I., Cross, E.V., Rouse, K., Rogers, G., & McClendon, J. (2007) **The Prime III Security Model for Electronic Voting**. IEEE Security & Privacy.

Activities

Black Graduate & Professional Student Association (BGPSA) Interim Webmaster, 2006-Present
Member of the National Society of Black Engineers (NSBE), 2003-Present

President of the Black Graduate & Professional Student Association (BGPSA), 2005-2006
Member of the Society of Women Engineers (SWE), 2003-2005
Member of the Association for Computing Machinery (ACM), 2003-2005

Honors/Awards

Accepted to the Tapia Doctoral Consortium, Orlando, Florida, 2007
Best-of-Class winner of the First Annual AVIOS Speech Application Contest, Awarded 2007
Accepted to the Preparing Future Faculty Program, Auburn University, 2005
Accepted to the CRA-W Grad Cohort for Women Program, San Francisco, California, 2005
NSF Scholarship Recipient to attend User Modeling Conference, Edinburgh, Scotland, 2005
Participant of the Women's Leadership Institute, Auburn University, 2004
Accepted to the CRA-W Grad Cohort for Women Program, Seattle, Washington, 2004
President's Graduate Opportunity Program (PGOP) Fellowship, Auburn University, 2007
GRA, Human Centered Computing Laboratory, Auburn University, 2003-Present
GAANN Institutionally Supported Fellowship Recipient, Auburn University, 2003-2005
Southern Regional Education Board (SREB) Fellowship, Auburn University, 2004-2007
Teaching Assistant for Introductory C++ Programming Class, Vanderbilt University, 2001-2003
Dean's Scholarship Recipient, School of Engineering, Tuskegee University, 1997
Departmental Scholarship Recipient, Computer Science Department, Tuskegee University, 1996
Upsilon Pi Epsilon, Computer Science Honor Society, Tuskegee University, 1997