

Juan E. Gilbert, Ph.D.

Professional Preparation:

Institution	Major/Area	Degree & Year
Miami University (Ohio)	Systems Analysis	Bachelor of Science 1991
University of Cincinnati	Computer Science	Master of Science 1995
University of Cincinnati	Human-Computer Interaction, Intelligent Tutoring Systems, Databases	Doctor of Philosophy 1997 - 2000

Appointments:

2005 –	Auburn University (Auburn, AL), Associate Professor
2000 – 2005	Auburn University (Auburn, AL), Assistant Professor
1998 - 2000	Miami University (Oxford, Ohio), Visiting Instructor
1992 – 1995	NCR Corporation (Dayton, Ohio), Software Engineer & Database Administrator

Selected

Publications:

Gilbert, J.E. , Wilson, D. & Gupta, P. (2005), **Learning C with Adam**. To Appear in: *International Journal on E-Learning*.

Gilbert, J.E. (2005). **Applications Quest: Computing Diversity**. To Appear In: *Communications of the ACM*.

Zhong, Y. & Gilbert, J. E. (2005). **A Context-Aware Language Model for Spoken Query Retrieval**. *To Appear In International Journal of Speech Technology*.

Zhong, Y., Gilbert, J. E. & Hu, W. (2003). **Speech User Interface for Document Retrieval**. *In Proceedings of 41st Annual ACM Southeast Conference*, Savannah, Georgia, pp. 130-131.

Larson, J.A. , Gilbert, J. E. & McTear, M. (2003). **Challenges in Teaching User Interface Design for Telephone and Cell Phones**. *In Proceedings of ACM CHI 2003: New Horizons*, Ft. Lauderdale, FL. pp. 864-865.

Gilbert, J.E. & Han, C. Y. (2002) **Arthur: A Personalized Instructional System**. *Journal of Computing In Higher Education*. 14, 1. Norris Publishers, Amherst, MA.

Gilbert, J. E. & Han, C. Y. **Adapting Instruction in Search of "A Significant Difference"**. *Journal of Network and Computing Applications*, 22, 3 (1999). pp. 149-160.

**Synergistic
Activities:**

Dr. Gilbert developed a software application called Applications Quest, <http://lets.cse.eng.auburn.edu/~appsquest/applicationsquest.html>, that addresses the U.S. Supreme Court ruling in the University of Michigan Affirmative Action cases in 2003. This software is being released as open source this summer.

Dr. Gilbert has developed a method for integrating diversity into his User Interface Design & Evaluation course. Students are required to design user interfaces that are culturally relevant from minority or foreign cultures. Students from the relevant minority cultures serve as clients to the students that are designers.

Dr. Gilbert serves as the faculty advisor for 13 African American graduate students. He strongly encourages the participation of underrepresented groups in his department and lab.

He is also a founding member of the Institute for African American ECulture (<http://www.iaaec.org/>), where he works on integrating technology and culture.

Collaborators:

Richard Chapman, Ph.D. (Auburn University)
Allison Clark, Ph.D. (University of Illinois-Urbana-Champaign)
Clarence Ellis, Ph.D. (University of Colorado-Boulder)
Lamont Flowers, Ph.D. (University of Florida)
Roscoe Giles, Ph.D. (Boston University)
Stafford Hood, Ph.D. (Arizona State University)
Jerlando F.L. Jackson (University of Wisconsin-Madison)
James L. Moore, III, Ph.D. (The Ohio State University)
Cheryl D. Seals, Ph.D. (Auburn University)
Renee Smith-Maddox, Ph.D. (UCLA)
Valerie Taylor, Ph.D. (Texas A&M University)
Bevlee Watford, Ph.D. (Virginia Tech)
Ivan Watts, Ph.D. (Auburn University)
Bryant York, Ph.D. (Portland State University)

Advisors:

Chia Y. Han, Ph.D. (Dissertation Advisor University of Cincinnati)
Raj K. Bhatnagar, Jeff Gordon, Carla Purdy, Anca Ralescu

Students:

Currently advising 21 graduate students
(13 women, 12 African Americans, 11 Ph.D.)

Graduated 1 Ph.D. and 20 Masters Students
(6 African Americans & 13 Women):

See <http://interact.cse.eng.auburn.edu/> for student list