

Kinnis Gosha, M.S.

Department Phone:
864.656.3444

Mailing Address:
School of Computing
100 McAdams Hall
Clemson University
Clemson, SC 29634

Email: kgosha@clemson.edu
Website: www.kinnisgosha.com

Department Fax:
864.656.0145

Areas: Human Computer Interaction, Advanced Learning Technologies, Service Science & Technology Entrepreneurship

Education

- August 2009 - Present **Clemson University**
Doctorate in Computer Science (expected December 2011)
Technology Entrepreneurship Certificate from Arthur M. Spiro Institute for Entrepreneurial Leadership
Research Areas: Advanced Learning Technologies, Technology Entrepreneurship, Service Science, Database Systems & Human Centered Interaction
Advisor: Dr. Juan E. Gilbert
- August 2005 – July 2009 **Auburn University**
Masters of Science in Computer Science (May 2007)
Research Areas: Database Systems & Human Centered Interaction
Advisor: Dr. Juan E. Gilbert
- August 2001 – May 2005 **Albany State University** (Albany, Georgia)
Bachelor of Science in Computer Science (Business Emphasis)

National Science Foundation (NSF) Grant Writing Experience

1. Gilbert, J.E., Woodard, D., & Hodges, L. (2011) NSF S-STEM: Human-Centered Computing Scholars: Fostering a New Generation of Underrepresented and Financially Disadvantaged Researchers, NSF, \$552,000, 06/2011 - 05/2016. Status: PENDING
2. Smith, K., Gilbert, J.E., NSF Ethics Hub: A Distributed Ethics Community in Science, Mathematics, and Engineering, NSF, \$4,998,786, 1/2011-12/2015. Status: REJECTED

Other Grant Writing Experience

3. Turnipseed, I., **Gosha, K.**, James, T. W. (2010) The Palmetto 100. Daniel-Mickel Foundation, \$9,000. Status: PENDING
4. **Gosha, K.**, Travel Award for E-LEARN 2009 - World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education. Clemson University Graduate Student Government Professional Enrichment Grant, \$500. Status: AWARDED
5. **Gosha, K.**, Travel Award for E-LEARN 2010 - World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education. Clemson University Graduate Student Government Professional Enrichment Grant, \$500. Status: AWARDED

Book Chapters

1. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., **Gosha, K.** (2009). Differential gender effects of a STEM-based intervention: An examination of the African American researchers in computing sciences program. In H. T. Frierson, W. Pearson, J. H. Wyche (Eds.), *Black American Males in Higher Education: Research, Programs, and Academe*. Bingley, UK: Emerald, Volume 7, pp. 317-330.

Refereed Conference Papers and Journal Publications

2010 - 2011

1. **Gosha, K.**, Gilbert, J., (2011) Exploring the Use Hip-Hop and Sports Themes to Aid in College Mathematics Instruction for Black Student-Athletes. International Journal of Urban Learning Technology (iJULT). (to appear)
2. **Gosha, K.**, Ekandem, J., Gilbert, J. (2011) Alabama in Motion: The Development of a Web-based Program Management Application for Alabama Residents to Fight Against Obesity, Annuals of the Next Generation (to appear)
3. Hunter, C., **Gosha, K.** (2010) It's in Black and White: Preservice Teachers' Perceived Abilities to Facilitate Literary Conversations about African-American Picture Books. The Annuals of the Next Generation. (to appear)
4. Smotherman, J. M., **Gosha, K.**, Gilbert, J.E. (2010) The Construction of a Multitouch Table Application for Peer Assisted Learning in Early Childhood Classrooms. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2010 (pp. 2719-2724). Chesapeake, VA: AACE.
5. **Gosha, K.**, Moses, W., & Gilbert, J.E. (2010) The Creation of a Service Queue Management System on Barbershop Administration. ACM Southeast Conference, Oxford, MS, April 15-17, 2010, CD-ROM.
6. **Gosha, K.**, Moses, W., Wachs, A. & Gilbert, J.E. (2010) Creation of a Voice User Interface Survey for Dynamic Service Feedback. ACM Southeast Conference, Oxford, MS, April 15-17, 2010, CD-ROM.
7. **Gosha, K.**, Billionniere, E., & Gilbert, J.E. (2010) Developing a Framework for Teacher Professional Development Using Online Social Networks. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 2977-2979). Chesapeake, VA: AACE.
8. **Gosha, K.**, Billionniere, E., Ramsey, M., & Gilbert, J.E. (2010) Towards the Creation of an Open Source Teacher Professional Development Distribution Community. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 1449-1454). Chesapeake, VA: AACE
9. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., George, P. L., Grenell, K. D., & **Gosha, K.** Differential gender effects of a STEM-based intervention: An examination of the African American Researchers in Computing Science program. American Education Research Association (AERA), Denver, CO, April 30 – May 4 (66.040-9).
10. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., George, P. L., Grenell, K. D., & **Gosha, K.** Multiple Identities for Blacks in Math, Science and Technology. American Education Research Association (AERA), Denver, CO, April 30 – May 4 (66.040-9).

2009

11. Billionniere, E., Greiman, D., & **Gosha, K.** (2009) A Comparison of Social Service Selection Techniques. IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC-09), Chengdu, China, December 12-14, 2009, pp. 260 – 265.
12. **Gosha, K.**, Gilbert, J., & Seals, C. (2009) Towards the Construction of a Peer-Assisted Learning Tool using a Social Media Network, In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2009, pp. 3500-3503. Vancouver, Canada, October 26-30, 2009.

2008

13. **Gosha, K.**, Thomas, J. & Gilbert, J.E. (2008) Exploring the Impact of Queue Management on Quality of Service for SMBs, IEEE International Conference on Services Computing, Honolulu, Hawaii, July 8-11, 2008, Volume 2: p. 551 – 553.

14. **Gosha, K.** & Thomas, J. (2008) Evaluating Service-Based Software Applications, ACM Southeast Conference, Auburn, AL, March 28-29, 2008, CD-ROM.
15. Cross II, E.V., Eugene, W., Hamilton, C. & **Gosha, K.** (2008). Street Legal Customs: A Tool for Teaching Financial Responsibility. In K. McFerrin et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2008 (pp. 4631-4636). Chesapeake, VA: AACE.
16. Cross II, E.V., **Gosha, K.**, Eugene, W., Arcediano, F., Hamilton, C., Hundley, J. (2008) Game Design from the Lens of a Student, ACM Southeast Conference, Auburn, AL, March 28-29, 2008, CD-ROM.

2005

17. **Gosha, K.** (2005). Creation of a Mobile Database for the Soil Moisture Experiment 2003, The Source, p.115-127, ISSN 1549-8247 [journal]

Publications in Preparation

18. **Gosha, K.**, Alnizami, H. A., Gilbert, J. (2011) Creation of a Collegiate Sports Themed Virtual Tutorial Lab to provide Supplemental Instruction for Introductory College Mathematics, Computers in Education Journal (in preparation)

Research Presentations

1. **Gosha, K.**, Gilbert, J.E. (2010) Increased Procurement Quality and Requirement Analysis for Usable Website Design, The 22nd Annual National Black Graduate Student Conference (NBGSC), March 10-14th, 2010, p. 33.
2. **Gosha, K.** (2010) Online Social Networks in Education. Computer Human Interaction Mentoring (CHIME) Workshop, April 9 – 10th, 2010. (Poster, *Co-located with CHI 2010*)
3. **Gosha, K.** (2005). Soil Moisture Profiling Using Artificial Neural Networks, In Proceedings of the NSF Historically Black Colleges & Universities – Undergraduate Program (HBCU-UP) National Research Conference, New Orleans, Louisiana*
4. **Gosha, K.** (2005). Creation of a Mobile Database for Soil Moisture Experiment, In Proceedings of the 12th Annual Florida-Georgia Louis Stokes Alliance for Minority Participation in Science, Engineering & Mathematics, Orlando, Florida
5. **Gosha, K.** (2004). Soil Moisture Profiling Using Artificial Neural Networks, In Proceedings of the 11th Annual Florida-Georgia Louis Stokes Alliance for Minority Participation in Science, Engineering & Mathematics, Miami, Florida*
6. **Gosha, K.** (2003). Soil Moisture Profiling Using Artificial Neural Networks, In Proceedings of the 4th Annual Undergraduate Science & Engineering Conference (USEC), Tuskegee, Alabama*
7. **Gosha, K.** (2003). Creation of a Web Forum for the Sale of Used Textbooks, 10th Annual Florida-Georgia Louis Stokes Alliance for Minority Participation in Science, Engineering & Mathematics, Tampa, Florida
8. **Gosha, K.** (2002). Creation of a Web Forum for the Sale of Used Textbooks, Joint 3th Annual Undergraduate Science & Engineering Conference (USEC) & the NSF Historically Black Colleges & Universities – Undergraduate Program (HBCU-UP) National Research Conference, Tuskegee, Alabama*

* See Honors and Awards

Graduate Research Assistant Positions

- 2009 - present **Human Centered Computing Lab - Clemson University**
Team Leader for NSF BPC-DP: Incorporating Cultural Tools for Math and Computing Concepts into the Boys and Girls Clubs of America Project
- Designed and constructed database driven, web-based student assessment tool for culturally based multimedia instruction software
 - Lead a multi-university team (one graduate and five undergraduate researchers) in the creation, testing and verification of culturally based multimedia instruction modules

Teaching Experience

- 2008 **Adjunct Professor - Columbus State University (Columbus, Georgia)**
- Instructor for 2 sections of the newly implemented "Introduction to Information Technologies"
- 2005 – 2006 **Graduate Teaching Assistant for Personal Computer Applications (COMP1000) – Auburn University**
- Instructed courses on non-CS majors on Microsoft Office 2003 versions of Word, Excel, Access, PowerPoint and FrontPage

Professional Experience

- 2008 **Summer Intern for the Business Informatics Group – IBM Research (Yorktown, NY)**
- Conducted a preliminary investigation on a visualization protocol for artifact-centric business process modeling
- Created the outline for a mobile interface for a radically simple artifact-centric business process modeling development tool
- 2007 **Web Application Developer for Auburn University Office of Technology**
- Develop web applications for different departments throughout the university using Visual Studio 2005 (C#) and SQL Server
- Developed the division's software engineering process (CMM - Level 2)
- 2005 **Systems Engineering Intern, Network Operations Management Group - Synovus Financial Corporation (Columbus, Georgia)**
- Responsible for the patch management for ~1000 desktops using Patchlink patch management system
- Created guidelines, standards and protocols for patch & update deployment throughout the company
- Researched and ranked critical updates for the company
- Constructed testing strategies for company critical applications
- 2004 **IT Executive Intern, Business IT Partnering/ Consulting Group - Synovus Financial Corporation, Columbus, Georgia**
- Created vendor selection scorecard for all procurement projects over \$100K
- Conducted extensive research in the Balanced Scoringcarding method of evaluating performance and developed a proposal for a company-wide solution
- Educated key decision makers on fair, unbiased vendor selection with recommendations to the vendor selection process
- Facilitated requirement gathering exercises for the creation of an internal web portal

Undergraduate Research Experience

- 2003 **Researcher, Center for Hydrology, Soil Climatology and Remote Sensing, Summer Research Program - Alabama Agricultural & Mechanical University**
- Worked on NASA sponsored projects using knowledge of Artificial Neural Networks in order to predict soil moisture

Fellowships, Honors and Awards

- 2010 - 2011 R C Edwards Graduate Fellowship
- 2010 - 2011 George MacDonald Graduate Fellowship
- 2010 - 2011 Clemson Alumni Graduate Fellowship
- 2009 Conference Funding Award - Clemson University School of Computing
- 2009 - 2010 Southeast Alliance for Graduate Education and the Professoriate (SEAGEP) Fellowship
- 2006 – 2008 Southern Regional Educational Board (SREB) Doctoral Scholar Award
- 2005 Auburn University President's Graduate Opportunity Program (PGOP) Award
- 2005 3rd Place Poster Presentation – HBCU-UP National Research Conference
- 2004 3rd Place Oral Presentation - FGAMP Expo 2004
- 2004 Highest Ranking Junior in Computer Science – Albany State University
- 2004 State of Georgia Outstanding Service to the Community Award
- 2003 State of Georgia Outstanding Service to the Community Award
- 2002 Torchbearer Award – National Society of Black Engineers (NSBE)
- 2002 3rd Place Poster Presentation – HBCU-UP/USEC National Research Conference
- 2001 United States President’s Student Service Scholarship Recipient
- 2001 – 2005 Albany State University Presidential Scholarship Award Recipient
- 2001 – 2005 Historically Black Colleges & Universities – Undergraduate Program (HBCU-UP) Scholar
- 2001 – 2005 Florida-Georgia Louis Stokes Alliance for Minority Participation (FGAMP) Scholar

Service

- 2011 – 2012 Member – Empowering Leadership Alliance Student Advisory Board – Funded by the National Science Foundation
- 2010 – 2011 Editor - Annuals of the Next Generation
The Annuals of the Next Generation is a refereed, scholarly journal that seeks to provide a venue to showcase the next generation of African American scholars, by publishing the research of graduate students.

Kinnis Gosha, MS

2010 - 2011	Webmaster – Kappa Gamma Gamma Chapter of Omega Psi Phi Fraternity, Incorporated, Anderson, SC
2010	Group 2-A Documenter – Computer & Information Science & Engineering NSF Broader Impacts for Research and Diversity Summit, Washington D.C.
2010	Program Committee – E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, <i>Orlando, FL</i>
2010	Chair – Student Planning Committee for the South East Alliance for Graduate Education and the Professoriate (SEAGEP) 2010 Annual Conference, <i>Atlanta, GA</i>
2010	Course Instructor – Clemson University Career Workshop II: Discover Clemson
2009 – 2010	Member – Empowering Leadership Alliance Student Advisory Board – Funded by NSF
2009	Webmaster – National Teacher Education Journal, <i>Meridian, MS</i>
2009	Webmaster – Journal of Technology Integration in the Classroom
2009	Webmaster – School of Computing Alliance, <i>Clemson, SC</i>
2009	Technical Reviewer - The 41st ACM Technical Symposium on Computer Science Education, <i>Milwaukee, WI USA</i>
2009	Technical Reviewer & Program Committee Member - E-Learn - World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, <i>Vancouver, Canada</i>
2009	Technical Reviewer - 14th ACM–SIGCSE Annual Conference on Innovation and Technology in Computer Science – Paris, France
2008	Session Chair – Frontiers in Service Conference – <i>University of Maryland, USA</i>
2008	Technical Reviewer – Tapia 2009 Diversity in Computing Conference – <i>Portland, Oregon USA</i>
2006	Webmaster - Auburn World Usability Day Committee
2005 – 2006	Publications Chair for the National Society for Black Engineers (Region III)
2005	Spring 2005 Graduating Class President, Albany State University, <i>Albany, Georgia</i>
2004 - 2005	Telecommunications Chair for the National Society for Black Engineers (Region III)

Professional Organizations

- Service Research and Innovation Institute (SRII)
- Institute of Electrical and Electronics Engineers (IEEE) Computer Society
- Association for Computing Machinery (ACM)
- Human Factor Ergonomics Society (HFES) – Clemson Chapter & National Member
- National Society of Black Engineers (NSBE)
- National Black Graduate Students Association (NBGSA)
- Empowering Leadership Alliance (EL Alliance)