

## KELLY E. CAINE

## CURRICULUM VITAE

---

School of Psychology & Gvu Center  
Georgia Institute of Technology  
654 Cherry Street  
Atlanta, GA 30332-0170 (USA)

Phone: +1.404.385.0798  
E-mail: kelly@gatech.edu  
Web: www.kellycaine.com

### EDUCATION

---

#### **Georgia Institute of Technology, Atlanta, GA (Fall 2006 – Present)**

Ph.D. in Engineering Psychology with minor in Designing for Special Populations

Thesis: *Supporting Privacy by Preventing Misclosure*

Advisor: Dr. Arthur D. Fisk

Committee: Dr. Wendy A. Rogers, Dr. Richard Catrambone, Dr. James Foley & Dr. Robin Jeffries

#### **Georgia Institute of Technology, Atlanta, GA (Fall 2003 – Spring 2006)**

M.S. in Engineering Psychology

Thesis: *Privacy Perceptions of Visual Sensing Devices: Effects of Users' Ability and Type of Sensing Device*

Advisor: Dr. Arthur D. Fisk

Committee: Dr. Wendy A. Rogers & Dr. Anderson D. Smith

#### **University of South Carolina, Columbia, SC (Fall 1998 – May 2002)**

B.A. (*cum laude*) in Experimental Psychology with minor in Business Administration

### HONORS, AWARDS & FUNDING

---

#### **Foley Scholar, 2008 - 2009**

- Highest academic honor awarded by Gvu Center
- Awarded to exceptional students involved in research at the Gvu Center at Georgia Institute of Technology for "overall brilliance and potential impact"
- Award: \$5,000

#### **ACM SIG-CHI Doctoral Consortium, 2009**

- One of 15 doctoral students chosen nationally to participate
- Provides an opportunity to explore and develop research interests in an interdisciplinary workshop under the guidance of a panel of distinguished researchers
- Award: complimentary conference registration and travel expenses

#### **Georgia Institute of Technology Presidential Fellowship, 2003 - Present**

- Recognizes students with exceptional scholastic records and high research potential
- Award: \$5,500 stipend per year

### **PDMA Student Paper Competition Winner, 2008**

- Georgia Product Development & Management Association competition fosters and recognizes “outstanding graduate student efforts in the area of new product development (NPD)”
- Award: \$1,000

### **American Psychological Association Student Travel Award, 2008**

- Supports students giving first author presentations at the APA Annual Convention
- Award: \$300

### **APA Scientific Affairs Mentorship Invitee, 2008**

- Provides mentorship for students interested in scientific careers
- Award: Mentorship opportunity at the American Psychological Association Science Student Council (APASSC) Mentorship Event at the 2008 APA Convention

### **GVU Travel Grant, 2007 & 2008**

- Provides funding for trips to CHI conferences
- Awards: \$300 & \$500 respectively

### **ITID Fellowship, Fall 2005**

- Competitive fellowship for the study of information technology solutions to the problems of international development
- Awarded to 9 students from various departments at Georgia Institute of Technology by the Sam Nunn School of International Affairs; only 1 fellowship awarded in Psychology
- Award: \$3,000 as well as an additional \$3,000 in travel funds

## **PUBLICATIONS**

---

### **Journals (Peer Reviewed)**

- [J.3] **Caine, K. E.**, Nichols, T. A., Fisk, A. D., Rogers, W. A., & Meyer, B. (In Press). *Age-Related Differences in Learning Incidental, Environmental Information*.
- [J.2] Hickman, J. M., **Caine, K. E.**, Pak, R., Stronge, A. J., Rogers, W. A., & Fisk, A. D. (In Press). What factors lead to healthcare miscommunications with older patients? *Journal of Communication in Healthcare*.
- [J.1] Vendemia, J.M.C, **Caine, K. E.**, & Evans, J. (2005). Quantitative EEG findings in convicted murderers. *Journal of Neurotherapy*, 9, 5-29. (Simultaneously published in *Forensic Applications of QEEG and Neurotherapy*)

## Conference Papers (Peer Reviewed)

- [C.12] **Caine, K. E.** (2009). Supporting Privacy by Preventing Misclosures. *Proceedings of the SIGCHI conference on Human factors in computing systems.*
- [C.11] Wyche, S. P., **Caine, K. E.**, Davison, B., Patel, S. N., Arteaga, M. & Grinter, B. E., (2009). Sacred Imagery in Techno-Spiritual Design. *Proceedings of the SIGCHI conference on Human factors in computing systems.*
- [C.10] **Caine, K. E.**, Burnham, K. E., Fisk, A. D. & Rogers, W. A. (2008). Privacy Concerns and Disclosure Behavior in a Health Setting. *Proceedings of the Human Factors and Ergonomics Society 52<sup>nd</sup> Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.9] Kwasny, M. N., **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2008). Privacy and Technology: Folk Definitions and Perspectives. *Proceedings of the SIGCHI conference on Human factors in computing systems.*
- [C.8] Wyche, S. P., **Caine, K. E.**, Davison, B., Arteaga, M. & Grinter, B. (2008). Sun Dial: Exploring Techno-Spiritual HCI through a Mobile Islamic Call to Prayer Application. *Proceedings of the SIGCHI conference on Human factors in computing systems.*
- [C.7] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2007). Designing Privacy Conscious Aware Homes for Older Adults.. *Proceedings of the Human Factors and Ergonomics Society 51<sup>st</sup> Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.6] **Caine, K. E.**, O'Brien, M. A., Park, S., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006). Understanding acceptance of high technology products: 50 years of research. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.5] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006). Benefits and privacy concerns of a home equipped with a visual sensing system: A perspective from older adults. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.4] Park, S., O'Brien, M. A., **Caine, K. E.**, Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006). Acceptance of computer technology: understanding the user and the organizational characteristics. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting.* Santa Monica, CA: Human Factors and Ergonomics Society.

- [C.3] Hickman, J.M, **Caine, K. E.**, Stronge, A., Pak, R., Rogers, W. A., & Fisk, A.F. (2006). Doctor-Patient Communication: Exploring Patient And Doctor-Side Solutions for Improvements. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting*. Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.2] **Caine, K. E.**, Rogers, W. A., & Fisk, A. D. (2005). Privacy perceptions of an aware home with visual sensing devices. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting*. Santa Monica, CA: Human Factors and Ergonomics Society.
- [C.1] **Caine, K. E.**, Nichols, T. A., Fisk, A. D. & Rogers, W. A. (2005). Age-related differences in learning incidental environmental information. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting*. Santa Monica, CA: Human Factors and Ergonomics Society.

### Book Chapters

- [B.2] **Caine, K. E.**, Hargrove, W. & Sun, M.W. (2006). Information and Communication Needs of Rwandan Coffee Stakeholders. In M. L. Best (Ed.), *Last Mile Initiative Innovations: Research Findings from the Georgia Institute of Technology*. (pp. 28-46).
- [B.1] Vendemia, J.M.C, **Caine, K. E.**, & Evans, J. (2005). Quantitative EEG findings in convicted murderers. In J. R. Evans (Ed.), *Forensic Applications of QEEG* (Simultaneously published in *Journal of Neurotherapy*, 9, 5-29).

### Other Published Material

- [O.7] **Caine, K. E.**, Hickman, J.M, Stronge, A. J., Pak, R., (2008). Steps to Effective Communication with Your Health Care Provider. *Signpost: Journal of Dementia and Mental Health Care for Older People*.
- [O.6] Kwasny, M. N., **Caine, K. E.** (2008). Older Adult's Privacy in a Monitored Home. *Signpost: Journal of Dementia and Mental Health Care for Older People*.
- [O.5] Blanson Henkemans, O. A., **Caine, K. E.**, Rogers, W. A., Fisk, A. D., Neerincx, M. A. & de Ruter, B. (2007). Medical Monitoring for Independent Living: User-centered design of smart home technologies for older adults. *Proceedings of the Med-e-Tel Conference for eHealth, Telemedicine and Health Information and Communication Technologies*.

- [O.4] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006). Privacy and Ethical Considerations about Aware Home Technologies for Older Adults. [Abstract] *Program abstracts of the 59<sup>th</sup> Annual Meeting of the Gerontological Society of America*.
- [O.3] Hickman, J.M., Stronge, A., Pak, R., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (2006). *Doctor-patient communication: Exploring the nature of communication problems for an older population* [Abstract]. 11<sup>th</sup> Cognitive Aging Conference Abstracts of Paper and Poster Presentations.
- [O.2] O'Brien, M.A., **Caine, K. E.**, Seifert, E. A., Rogers, W.A. & Fisk, A.D. (2006). *Developing a model of technology acceptance and aging* [Abstract]. 11<sup>th</sup> Cognitive Aging Conference Abstracts of Paper and Poster Presentations.
- [O.1] Hickman, J. M., & **Caine, K. E.** (2006). Senior to Senior: Suggestions for Improving Communication Between You and Your Doctor. [Brochure] Available online: [www.hfaging.org/senior-to-senior-final.pdf](http://www.hfaging.org/senior-to-senior-final.pdf)

### Technical Reports

- [TR.9] Van Ittersum, K., Rogers, W. A., Capar, M., Murtha, B., Park, S., **Caine, K. E.**, O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2008). *Understanding technology acceptance follow up report to technology workshop: How "value" is captured by the Technology Acceptance Model* (HFA-TR-0802). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.8] Kwasny, M., **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2008). *Privacy and technology: Folk definitions and perspectives* (HFA-TR-0806). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.7] Rogers, W. A., Fisk, A. D., **Caine, K. E.**, Kwasny, M., Wilkison, B., & Mayer, A. K., & Van Ittersum, K., (2007). *Understanding technology acceptance: Phase III (Part 2) – Communication studies* (HFA-TR-0706). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.6] Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., **Caine, K. E.**, O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2007). *Understanding technology acceptance: Phase III (Part 1) – Quantitative modeling* (HFA-TR-0705). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.5] Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., **Caine, K. E.**, O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2007). *Understanding technology acceptance: Phase II (Part 2) – Refining the quantitative model* (HFA-TR-0704). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

- [TR.4] Hickman, J. M., Stronge, A. J., **Caine, K. E.**, Pak, R., Rogers, W. A., & Fisk, A. D. (2007). *Communication with health care providers: Exploring the nature of communication problems for an older population* (HFA-TR-0702). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.3] Van Ittersum, K., Rogers, W. A., Capar, M., Park, S., O'Brien, M. A., **Caine, K. E.**, Parsons, L. J., & Fisk, A. D. (2006). *Understanding technology acceptance: Phase II – Identifying and validating metrics and preliminary testing of a quantitative model* (HFA-TR-0604). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.2] Van Ittersum, K., Rogers, W. A., Capar, M., **Caine, K. E.**, O'Brien, M. A., Parsons, L. J., & Fisk, A. D. (2006). *Understanding technology acceptance: Phase 1 – literature review and qualitative model development* (HFA-TR-0602). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.
- [TR.1] Rogers, W.A., Fisk, A.D., & **Caine, K. E.** (2004). *Acceptance of Technology: Need for the Development of a Model* (White Paper for Deere & Company). Atlanta, GA.

#### PRESENTATIONS

---

- [P.32] **Caine, K. E.**, (April, 2009). *Collection and Disclosure of Health Information: A Psychological Perspective*. Presentation to Informatics Department at Indiana University, Bloomington.
- [P.31] **Caine, K. E.**, (April, 2009). *Disclosure and Collection of Health Information: A Psychological Perspective*. Presentation to the Cognitive Aging Group at Georgia Institute of Technology.
- [P.30] **Caine, K. E.**, (February, 2009). *GVU: Support of the Inter-Disciplinary Center Enables Investigations that Cut Across Technology and Society*. Invited talk at the Georgia Tech GVU Brown Bag, in honor of Foley Scholar award.
- [P.29] **Caine, K. E.**, Burnham, K. E., Fisk, A. D. & Rogers, W. A. (2008, September). *The Effects of Immediate Experience with Technology on Privacy Concerns and Disclosure Behavior in a Health Setting*. Paper presented at the Human Factors and Ergonomics Society 52nd Annual Meeting. New York, NY.
- [P.28] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2008, August). *Digital Divides: Age, Health, Race, and Income in Health-Related Search*. Paper presented at the Annual Meeting of the American Psychological Association, Boston, Massachusetts.

- [P.27] **Caine, K. E.**, Kwasny, M. N., Fisk, A. D. & Rogers, W. A. (2008, April). Privacy and Technology: Folk Definitions and Perspectives. Poster presented at CHI 2008: Conference on Human Factors in Computing Systems. Florence, Italy.
- [P.26] Wyche, S. P., **Caine, K. E.**, Davison, B., Arteaga, M. & Grinter, B. (2008, April). *Sun Dial: Exploring Techno-Spiritual HCI through a Mobile Islamic Call to Prayer Application*. Poster presented at CHI 2008: Conference on Human Factors in Computing Systems. Florence, Italy.
- [P.25] **Caine, K. E.**, (2008, January). *Academia to Industry: Insight into the Use of Qualitative Methods Across Settings*. Presentation to User Insight, Inc. Atlanta, GA.
- [P.24] **Caine, K. E.**, (2008, January). *Eye-tracking: Applications in Industry Settings*. Presentation to the User Experience Professional Seminar at Georgia Institute of Technology. Atlanta, GA
- [P.23] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A.. (2007, October). *Designing Privacy Conscious Aware Homes for Older Adults*. Paper presented at the Human Factors and Ergonomics Society 51<sup>st</sup> Annual Meeting. Baltimore, MD.
- [P.22] **Caine, K. E.**, (August, 2007). *Privacy Heuristics*. Tech Talk at Google, New York, NY.
- [P.21] **Caine, K. E.**, (July, 2007). *User Experience: At Google and Beyond*. Tech Talk at Google, New York, NY.
- [P.20] Scritchfield, R. & **Caine, K.E.** (2007, April). *Center for Aging Services Technologies: Vision for the Future of Aging Services*. Paper presented at the Med-e-tel conference for eHealth, Telemedicine and Health ICT. Luxembourg, G.D. of Luxembourg. (Invited)
- [P.19] Blanson Henkemans, O. A., **Caine, K. E.**, Rogers, W. A., Fisk, A. D., Neerincx, M. A. & de Ruter, B. (2007, April). *Medical Monitoring for Independent Living: User-centered design of smart home technologies for older adults*. Paper presented at the Med-e-tel conference for eHealth, Telemedicine and Health ICT. Luxembourg, G.D. of Luxembourg. (Invited)
- [P.18] **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (2007, March). *Technology Acceptance: Key Characteristics for Designing Successful Emerging Technologies for Older Adults*. Poster presented at the American Association of Homes and Services for the Aging's (AAHSA) Future of Aging Services Conference. Washington, DC.

- [P.17] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006, November). *Privacy and Ethical Considerations about Aware Home Technologies for Older Adults*. Paper presented at the Gerontological Society of America Annual Meeting. Houston, TX.
- [P.16] **Caine, K. E.**, Fisk, A. D. & Rogers, W. A. (2006, October). *Benefits and privacy concerns of a home equipped with a visual sensing system: A perspective from older adults*. Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA.
- [P.15] **Caine, K. E.**, O'Brien, M. A., Park, S., Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006, October). *Understanding acceptance of high technology products: 50 years of research*. Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA.
- [P.14] Hickman, J.M, **Caine, K. E.**, Stronge, A., Pak, R., Rogers, W. A., & Fisk, A.F. (2006, October) *Doctor-Patient Communication: Exploring Patient And Doctor-Side Solutions for Improvements*. Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA.
- [P.13] Park, S., O'Brien, M. A., **Caine, K. E.**, Rogers, W. A., Fisk, A. D., Van Ittersum, K., Capar, M. & Parsons, L. J. (2006, October). *Acceptance of computer technology: understanding the user and the organizational characteristics. Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting*. Paper presented at the Human Factors and Ergonomics Society 50th Annual Meeting. San Francisco, CA
- [P.12] **Caine, K. E.**, (August, 2006). *Password, Please: Insights into User-Centered Anti-Phishing Solutions*. Tech Talk at Google, Mountain View, CA.
- [P.11] Hickman, J.M., Stronge, A., Pak, R., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (2006, April). *Doctor-patient communication: Exploring the nature of communication problems for an older population*. Poster presented at the 10<sup>th</sup> Cognitive Aging Conference. Atlanta, GA.
- [P.10] O'Brien, M.A., **Caine, K. E.**, Rogers, W.A. & Fisk, A.D. (2006, April). *Developing a model of technology acceptance and aging*. Poster presented at the 10<sup>th</sup> Cognitive Aging Conference. Atlanta, GA..
- [P.9] Fisk, A. D., & **Caine, K. E.** (2006, March). *Acceptance of visual sensing devices in an aware home: When people want cameras in their homes*. Invited colloquium presentation to the Clemson HCI group. Clemson, SC. (Invited)

- [P.8] **Caine, K. E.** & Hargrove, W. (2006, March). *Rwandan Coffee Stakeholders: Need for and Familiarity with ICT Solutions*. Poster presented at the Sam Nunn Policy Forum on The Impact of Information and Communication Technologies on Economic Development, National Competitiveness and Social Justice, Atlanta, GA.
- [P.7] **Caine, K. E.**, Hargrove, W. & Sun, M. (2006, March). *Information and Communication needs of Rwandan Coffee Stakeholders*. Presentation to the Macarthur/Nunn Security Fellows, Georgia Institute of Technology, Atlanta, GA.
- [P.6] **Caine, K. E.** (2006, March). *Cameras in the home: Older adults have concerns but also see benefits*. Paper Presented to the Cognitive Aging Group at Georgia Institute of Technology.
- [P.5] Fisk, A. D., Sanchez, J., **Caine, K. E.**, & Ezer, N. (2005, October). *Acceptance of Technology: Trust, Privacy Concerns, and the Decision making process*. Paper presented at the Scripps 6<sup>th</sup> Long-Term Care Conference and SAGE Federation's 3<sup>rd</sup> National Conference emphasis on New Models of Long-Term Caring. Dublin, OH.
- [P.4] **Caine, K. E.**, Rogers, W. A., & Fisk, A. D. (2005, September). *Privacy Perceptions of an Aware Home with Visual Sensing Devices*. Paper presented at the Human Factors and Ergonomics Society 49th Annual Meeting. Orlando, FL.
- [P.3] **Caine, K. E.**, Nichols, T. A., Fisk, A. D. & Rogers, W. A. (2005, September). *Age-Related Differences in Learning Incidental Environmental Information*. Paper presented at the Human Factors and Ergonomics Society 49th Annual Meeting. Orlando, FL.
- [P.2] **Caine, K. E.** (2005, February). *Privacy – Uncovering the factors that affect the perception of privacy in a home equipped with a visual sensing device*. Presentation to the Cognitive Aging Group at Georgia Institute of Technology.
- [P.1] Vendemia, J.M.C., **Caine, K. E.**, & Evans, J. (2003, September). *Q-EEG analysis of convicted murders*. Paper presented at the 11<sup>th</sup> Annual meeting of the International Society for Neuronal Regulation. Houston, TX.

#### PATENTS

---

- [PA.2] Soghoian, C. & **Caine, K. E.** (2006). Anti-Phishing System and Method. (Pending)
- [PA.1] Arteaga, M., **Caine, K. E.**, Davison, B. & Wyche, S. P. (2006). Mobile Device to Enhance Islamic Prayer. (Pending)

## ACADEMIC TEACHING EXPERIENCE

---

### **Research Methods Instructor**, Georgia Institute of Technology, Fall 2008

- 65 students (½ psychology majors, ½ computer science majors)
- Developed class plan, syllabus, lectures, and lab materials to cover topics including the scientific method, evaluation of information from a scientific perspective, conducting quantitative and qualitative research, and communicating scientific findings
- Managed teaching assistant and 2 lab instructors.

### Course-Instructor Opinion Survey Results

	<b>Mean</b>	<b>Median</b>
The instructor was an effective teacher	3.9	4
The instructor explained complex material clearly	4.0	4
The course seemed well planned and organized	4.3	4
The instructor did a good job covering course content and met course objectives	4.2	4

Scale: 1 = Strongly Disagree to 5 = Strongly Agree

### **Introductory Psychology Instructor** (team taught), Georgia Institute of Technology, Fall 2007

- 64 students (majors and non-majors)
- Developed materials and lectured on biological psychology, sensation and perception, memory, and treatment of psychological disorders.

### **Graduate Teaching Assistant**, Georgia Institute of Technology, Fall 2003 – Fall 2006

- Assistant to Dr. Richard Catrambone, Cognitive Psychology
  - Graded exams and provided post-exam consultation
- Assistant to the graduate coordinator & undergraduate coordinator
  - Created the psychology undergraduate handbook
  - Organized graduate admission applications
  - Assisted in the planning and execution of Recruitment Weekend

### **Guest Lecturer**, Georgia Institute of Technology

- The Structured Interview Method, Graduate Research Methods, 2005 – 2007
- Focus Groups
  - Graduate Research Methods, 2005 – 2007
  - Applied Experimental Psychology, 2009
- Coding Qualitative Data, Research Methods, 2005 – 2007
- Mentoring and Menteeing, Research Methods, 2007
- User Centered Design for Computers, Communications and International Development, 2007
- Advanced Technology, Privacy & Cross Cultural Issues, Applied Experimental Psych, 2006
- Human-Computer Interaction, Engineering Psychology, 2008

## **Mentor**, Georgia Institute of Technology, 2003-Present

- Alan Poole, Fall 2008 - Present
  - Award: President's Undergraduate Research Award for *Collaborative Technologies: Understanding the Technology Needs of Older Adults and Home Health Care Providers*
  - Senior Thesis: Errors in Disclosure and Computer Mediated Systems
- Jamie Diagostino, Fall 2008 - Present
- Melissa Hayes, Summer 2008
- Kaylee Burnham, Spring 2006 – Spring 2008
  - Award: President's Undergraduate Research Award for *Technology Use by Older Adults*
  - Publication: C.10
  - Presentation: Burnham, K. (2008, April). *The Effects of Immediate Experience with a Novel Technology on Privacy Concerns*. Presentation at the Georgia Institute of Technology Spring Symposium. Atlanta, GA.
  - Senior Thesis: *The Effects of Experience with a Technology on Privacy Concerns and Disclosure of Health Information*.
- Michelle Kwasny (Masters HCI student), Fall 2006 – Spring 2008
  - Publications: C.9, TR.7, TR.8, O.6
- Daniel Shorr, Fall 2006 – Spring 2007
  - Award: President's Undergraduate Research Award for *Factors of Technology Acceptance*
- Alex Onstott, Fall 2006
- Shervin Hadizadeh, Summer 2005 – Fall 2005
- Emily Seifert, Summer 2005 – Fall 2006
  - Award: President's Undergraduate Research Award for *Business and Psychological Aspects of Technology Acceptance*
- Kathryn Goins, Fall 2005
- Rachael Stewart, Fall 2003 - Spring 2005
  - Senior Thesis: *Dual-Task Interference in Implicit Sequence Learning*

## INDUSTRY EXPERIENCE

---

### **User Experience Research Intern**, Google – New York, NY, Summer 2007

- Designed and conducted user studies for Google Health as well as other Google products
- Presented: "Privacy Heuristics" to Google Tech Talk audience (including members of Engineering and Legal teams)
- Presented: "User Experience: At Google and Beyond" to Google-NY interns

### **User Experience Research Intern**, Google – Mountain View, CA, Summer 2006

- Designed and invented a new anti-phishing tool, conducted contextual interviews on an extension of Gmail, using eye-tracking performed in-lab study of anti-phishing technology, assisted with café study of information needs on the go
- Presented: "Password, Please: Insights into User-Centered Anti-Phishing Solutions" to Google Tech Talk audience (including members of Security, Usability and Design teams)
- Designed and conducted user studies of confidential products, presented findings in both written and oral form (internally)

## ACADEMIC RESEARCH EXPERIENCE

---

### **Graduate Research Assistant**, Human Factors and Aging Lab, Georgia Institute of Technology, 2003 – Present

- Conduct psychological research independently and as part of a research team
- Major duties include: designing experiments and qualitative studies, developing software required for studies, testing participants, conducting literature reviews, working with departmental Computer Support Representatives in developing data management and sharing strategies, updating and maintaining the HFA Participant Database, preparing and presenting software instruction, directing/managing undergraduate students in lab research tasks, participating in center meetings, coding and analyzing data, and preparing and presenting findings in written and oral form
- Previous and ongoing projects include:
  - Linking studies of privacy in HCI to psychological theories of privacy
  - Exploring privacy issues, especially privacy concerns within a home environment equipped with ubiquitous computing such as visual sensing technologies
  - Developing a quantitative model of technology acceptance
  - Examining the potential of technology to aid in the communication of health information to older adults
  - Examining age related differences in the learning of incidental information

### **Researcher**, Georgia Institute of Technology, 2005 – Present

- Independent of lab activities, collaborate with multidisciplinary teams on various projects
- Developed alternative image-based technology to support the practice of Islam
- Mapped the information and communication technology (ICT) needs among Rwandan coffee stakeholders as well as recommended technology solutions to meet these needs

### **Undergraduate Research Assistant**, University of South Carolina, 2001 – 2002

- Coded and transformed quantitative EEG data using Lexicor V151 EEG Data Gathering and Quantifying Program
- Co-authored journal article and conference presentation on findings of research related to QEEGs of convicted murderers

## SERVICE

---

### **Reviewer**, 2005 - Present

- Information Technologies and International Development (ITID)
- ACM SIGCHI Proceedings (CHI & CSCW)
- Human Factors and Ergonomics Society Conference Proceedings
- iConference on iSociety: Research, Education, Engagement
- Third International Conference on Pervasive Computing Technologies for Healthcare
- Third Conference on Innovative Applications of Information Technology for Developing World (Asian Applied Computing Conference) <http://aacc.org.np>
- IPSI Conference, Carcassonne, France

**Webmaster, Human Factors and Aging Lab & CREATE, 2005 - Present**

- Responsible for content development, management, and maintenance of the websites [www.hfaging.org](http://www.hfaging.org) and [www.create-center.org](http://www.create-center.org)

**Treasurer, Human Factors and Ergonomics Society – Atlanta Chapter, 2004 - 2008**

- Duties include obtaining non-profit tax status, membership dues collection, maintenance of chapter accounts, budget planning and reporting, and serving on the HFES – Atlanta executive council

**Secretary, GT student Chapter of Human Factors and Ergonomics Soc., 2005 - 2006**

**Liaison, Georgia Institute of Technology Aware Home, Fall 2006 - Present**

- Represented psychological research associated with Georgia Tech’s Aware Home to industry partners and visiting scholars

**Student Volunteer**

- ACM SIGCHI Conference, 2008
- Cognitive Aging Conference, 2004 & 2006

**Session Chair**

- Human Factors and Ergonomics Society Annual Meeting, 2008

MEMBERSHIPS & AFFILIATIONS

---

**Association for Psychological Science, 2009 – Present**

**American Psychological Association, 2004 – Present**

**Atlanta Chapter of HFES, 2004 – Present**

**ACM SIGCHI, 2007 – Present**

**Center for Research and Education on Aging and Technology (CREATE), 2003 – Present**

**Georgia Institute of Technology Student Chapter of HFES, 2003 – Present**

**GVU Center, 2007 – Present**

**Human Factors and Aging Lab, 2003 – Present**

**Human Factors and Ergonomics Society, 2004 – Present**

**Understanding Users in Context**, CHI 2008, Florence, Italy

- Described methods of naturalistic observation, contextual inquiry, artifact walkthroughs, and naturalistic usability evaluation

**Design Chautauqua – Design Ethnography**, HFES 2007, Baltimore, MD

- Presented Ethnography as a tool for Human Factors research
- Provided opportunity to practice ethnographic observation and receive feedback on analyzed data

**Survey Construction and Use: A Primer for Practitioners**, HFES 2006, San Francisco, CA

- Explained the basics of survey construction including question types and usage

**Conjoint Analysis**, 2006, Atlanta, GA

- Introduced Conjoint analysis (a stated-preference analysis) as a tool for Human Factors

**ICT & Reconciliation Workshop**, 2006

- Sponsored by the Sam Nunn School of International Affairs, Georgia Institute of Technology, Atlanta, GA
- Served as scribe for the Breakout Session - Mutual Recognition, Negotiation and Redefinition of Social Roles

**Eye Tracking: Ready for the Usability Toolbox**, HFES 2005, Orlando, FL

- Introduced eye-tracking and strategies for applying eye tracking in usability testing

**Protecting Human Subjects, National Institute of Health**, 2003 - Present

- Presented basic concepts, principles, and issues related to the protection of research participants.

**CREATE Certification**, 2006 – Present

- Certified to screen and test participants and score participant data including mini-mental, trail making, digit symbol, vision and hearing assessments

## GRADUATE COURSEWORK

---

### **Psychology**

Biopsychology  
Cognitive Psychology  
Developmental Psychology  
Sensation & Perception  
Professional Problems

### **Quantitative**

Research Methods  
Statistics I (ANOVA)  
Statistics II (MRC)

### **International Affairs**

Information Technology & International  
Development

### **Engineering**

Engineering Psychology I (Controls)  
Engineering Psychology II (Displays)  
Human-Computer Interaction  
Psychology of HCI  
Psychomotor & Cognitive Skills

### **Aging**

Applied Cognitive Aging  
Cognitive Aging  
Motor Control and Aging

### **Teaching**

Teaching Practicum

## COMPUTER EXPERIENCE

---

Microsoft Office (including excel, word  
and power point)  
Microsoft Visual Basic 6.0  
Microsoft FrontPage  
LIWC  
Tropes /Zoom

EndNote 7.0 – X2  
Zotero  
E-Prime Suite (including E-Studio)  
SPSS  
HTML  
MAXQDA