

Cory-Ann Smarr

Curriculum Vitae

Georgia Institute of Technology
School of Psychology
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Education

Georgia Institute of Technology; Atlanta, GA Completing the requirements for a M.S. in Engineering Psychology	2008-current
North Carolina State University; Raleigh, NC Post Baccalaureate Graduate Studies in Psychology	Spring 2008
The University of North Carolina; Chapel Hill, NC Post Baccalaureate Graduate Studies in Psychology	Fall 2007
West Virginia University; Morgantown, WV B.S. in Psychology (<i>Summa cum Laude</i>) Minor: Communication Studies West Virginia University and Psychology Department Honors	2003-2007

Industry Experience

Usability Technical Student – The SAS Institute (April-June 2008)

- Conducted usability tests on elements in a user interface with an infrared, video eye-tracker and programmed data analysis in SAS. Collaborated with a team to optimize icons.

Usability Technical Student – The SAS Institute (Aug-Sept 2007)

- Conducted usability tests on a web application interface, analyzed results, and presented them to the usability department. Created materials for usability tests on software packages and executive dashboards.

Assistant Business Analyst – FiberNet LLC, A One Communications Co. (May-July 2007)

- Worked closely with the Senior Corporate Business Manager researching new expansion opportunities, investigating and assembling presentation materials, summarizing financial and productivity data.

Provisioning Clerk – FiberNet LLC, A One Communications Co. (Summers 2004-2006)

- Responsible for input, processing, and record keeping of disconnect orders using FiberNet’s Operating Support System and Verizon’s Wholesale Systems. Primarily independent tasks but also worked with others on special projects.

Research Experience-----

Knowledge Engineering Analysis – Georgia Institute of Technology (2008–current)

- Worked with Deere & Company to use knowledge engineering techniques such as interview scripts and subject matter expert interviews to appraise what information operators rely on to perform tasks in a complex system.

Graduate Research Assistant – Georgia Institute of Technology (2008-current)

- Contributed to research being conducted in the Human Factors and Aging Laboratory by conducting literature reviews, devising experiments, testing participants, coding and analyzing quantitative and qualitative data, and preparing and presenting empirical results.

Undergraduate Research Assistant – North Carolina State University (Fall 2007)

- Volunteered in Dr. Doug Gillan’s laboratory to schedule and test participants in a study on perceptions of regression lines in scatter plots.

Honors Thesis and Capstone – West Virginia University (2006-2007)

- Used data collected from Dr. JoNell Strough’s National Institute on Aging funded research on friends everyday problem solving for an honors thesis investigating the differences of age, gender, and preference to work alone or with a partner on social loafing.

Undergraduate Research Assistant – West Virginia University (2005-2007)

- Administered questionnaires, cognitive tasks and intelligence tests to participants in Dr. JoNell Strough’s National Institute on Aging study on friends everyday problem solving. Conducted literature searches, and scored and coded data.

Undergraduate Research Assistant – West Virginia University (Jan-June 2005)

- Recruited, administered questionnaires and videotaped participants in a field study of distraction and distress in infantile immunization pain for Melissa DeMore’s dissertation. Coded, scored, and entered data. Volunteered over 120 hours in May-June 2005.

Technical Report

Cullen, R. H., Serrano-Baquero, D., Beer, J. M., McBride, S. E., **Smarr, C.**, Rogers, W. A., & Fisk, A. D. (2009). *Developing a working model: A interim report of grove mowing operations* (HFA-TR-0902). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

Presentations

Smarr, C. (2009, Oct.). Psychological research in the Georgia Institute of Technology Human Factors and Aging Laboratory and human factors considerations of the social presence of agents. Presentation to the Georgia Institute of Technology Student Advisory Board for Undergraduate Research.

McBride, S. E., & **Smarr, C.** (2009, Oct.). Presentation of the Georgia Institute of Technology Human Factors and Aging Laboratory Poster at the Human Factors and Ergonomics Society 53rd Annual Meeting, San Antonio, TX.

Smarr, C. (2009, July). Are there age-related differences in recognition of emotions displayed by an agent? Presentation to Dr. G.P. "Bud" Peterson, the President of the Georgia Institute of Technology, Val Peterson, and the Aware Home Research Initiative.

Smarr, C. (2009, May). Bad Design & Robotics Demonstration. Demonstration to the Montevallo Middle School Gifted Program and parents.

Smarr, C. (2007, May). Age and Gender Differences in Work Preference and Social Loafing. Poster presented at the Association for Psychology Science Convention, Washington, D.C.

Teaching Activities

Graduate Teaching Assistant – Georgia Institute of Technology (Fall 2008)

- Course: Psychology of Aging (undergraduate/graduate)
- Instructor: Christopher Hertzog, Ph.D.
- Duties: attending lectures, taking attendance, updating grade books, as well as administering and scoring exams.

Professional Affiliations

- American Psychological Association Division 21: Applied Experimental & Engineering – Student Affiliate (2009-current)
- Association for Psychological Science – Graduate Student Affiliate (2009-current)

- Human Factors and Ergonomics Society (HFES) – Student Member (2009-current)
- HFES Aging Technical Group – Student Member (2009-current)
- HFES Georgia Tech Chapter – Member (2008-current)
- Triangle Usability Professionals Association – Student Member (2008-current)
- HFES North Carolina State University Chapter – Member (2008)
- Association for Psychological Science – Undergraduate Student Member (2007)
- Phi Beta Kappa (inducted 2007)
- Psi Chi (inducted 2005)

Professional Service and Experience

Webmaster – HFES Aging Technical Group (2009 Oct.-current)

Graduate Student Outreach – HFES Georgia Tech Chapter (2009, August)

- Volunteered to educate new Georgia Tech graduate students about human factors and ergonomics as well as the HFES Georgia Tech Chapter.

Secretary/Vice-President – HFES Georgia Tech Chapter (2009-current)

- Duties include the creation and maintenance of a Chapter wiki, dissemination of information, taking meeting minutes, and aiding in the organization of the Chapter and selected events.

Undergraduate Coordinator – Georgia Institute of Technology (2009-current)

- Coordinating the research needs of undergraduate student research assistants and the Human Factors and Aging Laboratory in mutually beneficial ways. Major duties include recruiting, scheduling, meeting, and mentoring undergraduate student research assistants.

Website Usability Analysis – HFES Georgia Tech Chapter (2008-2009)

- Used human factors techniques to assess the Georgia Tech School of Psychology's website (<http://psychology.gatech.edu>). Utilized card sorts, surveys, accessibility tools, and Google Analytics to evaluate the website. Offered and implemented design recommendations based on these usability tests and analyses for the new website.

Graduate Coursework

Psychology

- Cognition and Aging

- Cognitive Psychology
- Engineering Psychology I (Controls)
- Engineering Psychology II (Displays & Environmental Stressors)

Quantitative

- Research Design
- Statistical Analysis I (ANOVA)
- Statistical Analysis II (Multiple Regression)
- Multivariate Statistics

Other Relevant Coursework

- Introduction to Computer Programming (Python)

Certifications and Training

Received training instructor-based courses tailored to The SAS Institute

- SAS Programming I: Essentials
- SAS Programming II: Manipulating Data with the DATA Step
- Prototyping in Adobe FLEX

Computer Experience

- Adobe Acrobat Professional
- Adobe FLEX
- Base SAS
- Endnote X
- Eprime 2.0
- MAXQDA
- Microsoft Office
- Open Platform for Personal Robotics (OPPR)
- Python
- SPSS 16.0 & 17.0
- Verizon's Wholesale Systems
- Wiki