

Keenan R. May
1149 Villa Dr. NE #5
Atlanta, GA 30306
832-247-4415

EDUCATION

Master of Science, Human-Computer Interaction, Georgia Institute of Technology
2012-2014 (expected), GPA 4.0/4.0

Bachelor of Arts, Cognitive Sciences, Rice University
2008-2012, GPA 3.34/4.0

RESEARCH

Sonification Laboratory, Georgia Institute of Technology (2012-)
Project: Novel multimodal infotainment interfaces to reduce driver distraction
Designed, prototyped and evaluated gestural auditory interfaces in driving simulator

Computer-Human Interaction Laboratory, Rice University (2011-2012)
Project: Systematic directional error in goal-directed mouse movement
Designed and conducted experiments, constructed statistical model

Pomerantz Perception Laboratory, Rice University (2011-2012)
Project: Effect of Gestalt distractors on Vernier Acuity
Constructed psychometric threshold program, designed and conducted experiment

PUBLICATIONS

Swette, R., May, K., Gable, T. Walker, B. (2013). Comparing three novel multimodal touch interfaces for infotainment menus. Proceedings of the 5th International Conference on Automotive User Interfaces and Interactive Vehicular Applications. (Eindhoven, The Netherlands. October 28-30, 2013). ACM, New York, NY. 100-107.
(Presented by May, K. October 29, 2013)

May, K. (2012). A model of error in 2D pointing tasks.
Undergraduate Honors Thesis, Rice University, Houston, TX

PROFESSIONAL EXPERIENCE

Technical Architect (Intern), AT&T Customer Insight, Usability & Accessibility (2013)
Conducted usability tests and heuristic reviews on AT&T websites

Web Developer, Rice Center for Technology in Teaching and Learning (2010)
Developed web portal for online STEM education games

Software Developer, Rice University Chemistry Department (2009-2010)
Researched and developed music-based STEM education game

TEACHING

Teaching Assistant, Georgia Tech College of Computing (2014)
Guiding and evaluating student projects & assignments, assisting with course design

Lecturer, MS-HCI Professional Practice Seminar (2012)
Conducted seminar on use of Cogtool for predictive interface evaluation

Teaching Assistant, Rice University Department of Computer Science (2010)
Created lesson plans and assisted students learning 3D modeling

SKILLS

Experimental Psychology
Experiment design, participant testing including eye tracking and driving simulation

Statistical Analysis
SPSS, Matlab, Excel

Human Factors & Engineering Psychology
Hierarchical task analysis, heuristic review, various other methods

User-Centered Design Process
Iterative research, design, prototyping, evaluation

Prototyping Interactive Systems
Python, Adobe Flash

Computational Modeling of Cognition
ACT-R, Cogtool, GOMS

Computing
HTML5/CSS3/Javascript, Jython Swing, XNA Game Studio, Adobe Creative Suite, 3D Studio MAX

RESEARCH INTERESTS

Situational awareness during autonomous driving and at control handoff
Multimodal gesture interfaces for in-vehicle infotainment systems
Standardizing physiological measurement of driver cognitive load

ACTIVITIES

Chief Justice, Baker College (Rice University) (2011-2012)
Presided over Baker College court, maintained community regulations & relations with campus police

Honor Council Representative, Baker College (Rice University) (2011-2012)
Participated in hearings and investigations on potential violations of Rice Honor Code

AFFILIATIONS

Human Factors and Ergonomics Society
Cognitive Science Society
Association for Computing Machinery