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Education:

Ph.D. 2009, Human Computer Interaction, Iowa State University

M.S. 2006, Psychology, Iowa State University

B.S. 2004, Psychology, Missouri Southern State University – Joplin

Graduate Student Teaching Certificate 2009, Center for Excellence in Learning and Teaching, Iowa State University

Refereed Publications:

Still, J. D. & Masciocchi, C. M. (in press). Considering the influence of visual saliency during interface searches. In Alkhalifa, E. M. & Gaid, K. (Eds.), *Cognitively Informed Interfaces*. IGI Global.

Wynn, J. & **Still, J. D.** (2011). Motivating change and reducing cost with the discount video data analysis technique. *Proceedings of the 14th International Conference on Human-Computer Interaction*, 6770, 321-328. (Acceptance rate: 33%)

Still, J. D. (2011). Experimental design: Does external validity trump internal validity? *ACM Interactions (May + June: Feature)*, 18(13), 66-68.

Still, J. D., & Dark, V. J. (2010). Examining working memory load and congruency effects on affordances and conventions. *International Journal of Human-Computer Studies*, 68(9), 561-571. (Impact Factor: 2.5)

Still, J. D. & Masciocchi, C. M. (2010). A saliency model predicts fixations in web interfaces. *5th International Workshop on Model-Driven Development of Advanced User Interfaces*, Atlanta, GA.

Still, J. D., & Dark, V. J. (2008). An empirical investigation of affordances and conventions. *Proceedings of the Third International Conference on Design Computing and Cognition*, 457-472. (Acceptance Rate: 16%; Awarded Best Paper)

Dohse, K. C., Dohse, T., **Still, J. D.**, & Parkhurst, D. J. (2008). Enhancing multi-use interaction with multi-touch tabletop displays using hand tracking. *IEEE Proceedings of the First International Conference on Advances in Computer-Human Interaction*, 297 – 302. (Acceptance Rate: 30%)

Manuscripts Under Review:

Chowdhury, S. K. & **Still, J. D.** (*under review*). Interest point selection method: To blur or not to blur? *Proceedings of the Computer-Human Interaction Conference*, Austin, Texas.

Grgic, J. & **Still, J. D.** (*under review*). Relevant fade-in notifications draw attention. *Proceedings of the Computer-Human Interaction Conference*, Austin, Texas.

Masciocchi, C. M. & **Still, J. D.** (*revise & resubmit*). Alternatives to eye tracking for describing interface saliency. *Journal of Human-Computer Interaction*.

Professionally Edited Publication:

Still J. D., & Cronk, B. (April, 2010). Putting the Spotlight on Human Factors. *Human Factors and Ergonomics Society Bulletin*.

Paper & Poster Presentations:

Wynn, J. & **Still, J. D.** (2011, July). *Motivating change and reducing cost with the discount video data analysis technique*. Paper presented at the 14th International Conference on Human-Computer Interaction, Orlando, FL.

Still, J. D. & Still, M. L. (2011, May). *No cost or benefit from frequent online quizzes compared to traditional exams*. Poster presented at the Annual Meeting of the Society for the Teaching of Psychology, Chicago, IL.

Still, J. D., Grgic, J. & Still, M. L. (2011, February). *Revealing user button-to-action mappings through describing and acting*. Paper presented at the annual meeting of the Saint Louis User Experience (STL UX) Conference, Des Peres, MO.

Grgic, J. & **Still, J. D.** (2010, May). *Affordance interactions are affected by spatial working memory load*. Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Still, J. D. & Masciocchi, C. M. (2010, April). *A saliency model predicts fixations in web interfaces*. Paper presented during the Computer-Human Interaction Conference, 5th

International Workshop on Model-Driven Development of Advanced User Interfaces, Atlanta, GA.

Wellman, D., Vey, M. & **Still, J. D.** (2010, March). *Visual saliency and website design*. Poster presented at the Great Plains Conference, St. Joseph, MO.

Wynn, J. S. & **Still, J. D.** (2010, March). *Comparison of two accelerated usability test data analysis techniques*. Poster presented at the Great Plains Conference, St. Joseph, MO.

Chowdhury, S. K. & **Still, J. D.** (2010, March). *Effect of opacity of stimulus in deployment of interest in an interface*. Poster presented at the Great Plains Conference, St. Joseph, MO.

*Awarded 1st Place

Grgic, J. E., Masciocchi, C. & **Still, J. D.** (2010, March). *Designing human-centered notifications*. Poster presented at the Great Plains Conference, St. Joseph, MO.

*Awarded 3rd Place

Still, J. D., & Dark, V. J. (2009, April). *The cost of violating design affordances and conventions*. Poster presented at the Emerging Technologies Conference, Ames, IA.

Still, J. D., Dark, V. J. & Parkhurst, D. J. (2008, November). *Dense regions of view-invariant features promote object recognition*. Poster presented at the Object Perception, Attention & Memory Conference, Chicago, IL.

Still, J. D., & Dark, V. J. (2008, June). *An empirical investigation of affordances and conventions*. Paper presented at the meeting of the Third International Conference on Design Computing and Cognition, Atlanta, GA.

Still, J. D., Dark, V. J., & Parkhurst, D. J. (2008, May). *What determines where you look in photographs of complex objects?* Paper presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Still, J. D., & Dark, V. J. (2008, April). *When "arbitrary" decisions aren't arbitrary: Conventions and design*. Poster presented at the Emerging Technologies Conference, Ames, IA.

Dohse, K. C., Dohse, T., **Still, J. D.** , & Parkhurst, D. J. (2008, February). *Enhancing multi-use interaction with multi-touch tabletop displays using hand tracking*. Paper presented at the meeting of the First International Conference on Advances in Computer-Human Interaction, Sainte Luce, Martinique.

Still, J. D., Dark, V. J., & Parkhurst, D. J. (2007, May). *Viewpoint invariant object features attract overt visual attention*. Poster presented at the meeting of the Vision Sciences Society, Sarasota , FL.

Wolff, T., **Still, J. D.**, Parkhurst, D. J. & Dark, V. J. (2007, May). *Invariant features detected with computer vision allow better human object recognition in photographs* . Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

* 1st place , Psychology Undergraduate Poster Competition, Psychology Department

Still, J. D., Dohse, T., & Dohse K. C. (2007, April). *Touch table augmented with skin detection*. Poster presented at the Emerging Technologies Conference, Ames, IA.

Tan, W. P., **Still, J. D.**, & Dark, V. J. (2006, November). *Attenuating the attentional blink by including salient temporal events in the RSVP stream*. Poster presented at the meeting of the Psychonomic Society, Houston, TX.

Still, J. D., Tan, W. P., & Dark, V. J. (2006, May). *Does number of items or time affect attentional blink magnitude?* Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Tan, W. P., **Still, J. D.**, & Dark, V. J. (2006, May). *Measuring the AB effect in an irregular RVSP stream*. Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Still, J. D. (2003, November). *Effects of super conditioning when mice are required to discriminate between elements of a compound stimulus when conditioned taste aversion is the paradigm*. Paper presentation at the meeting of the Association of Psychological & Educational Research in Kansas, Emporia, KS.

Faculty Sponsor:

- Hiatt, D. (2011, March). *Does a positive or negative mood affect a person's need for cognition?* Poster presented at the Great Plains Conference, Topeka, KS.
- Pellersels, J. L. (2010, March). *Augmenting visual graphs with audio*. Poster presented at the Great Plains Conference, St. Joseph, MO. *Awarded 2nd Place*
- Rodgers, V. A. (2010, March). *Early design of software with children*. Poster presented at the Great Plains Conference, St. Joseph, MO.

Student Design Competition:

- Chowdhury, S. & Wynn, J. (2011). Cowabunga!: A system to facilitate multi-cultural diversity through CouchSurfing. *Computer-Human Interaction Conference*, Vancouver, BC.

Community Projects (*consulting*):

- Saint Joseph Transit:
 - Proposed redesign of *digital and physical maps* resulting from task analysis, contextual inquiry, interviews, mid-fidelity prototyping & usability testing. Performed by Davis, Grgic, Pellersels & Rodgers
 - Proposed redesign of *transit website* stemming from contextual inquiry, persona & scenario development, low-fidelity prototyping & usability testing. Performed by Chowdhury & Wynn
- Missouri Western State University – *Library Website*: Heuristic evaluation. Performed by Grgic & Davis
- Education Data Systems (EDS) - *Online Subject Pool Management Software*: Two interface redesign proposals were provided stemming from contextual inquiry, interviews, wireframing, cognitive walkthrough, cardsorting, video & task analysis. Performed by Chowdhury, Davis, Grgic, Pellersels, Rodgers & Wynn.
- E-media group (Channel KQ2) - *SaintJoeChannel.com*: Eye tracking study & four usability tests. Performed by Wynn, Chowdhury and Rodgers
- Super Science Saturday (2010 & 2011): We demonstrated the science of Psychology through Sensation and Perception visual illusions. Our audience was local 3rd to 5th grade children and their families.
- Instructional Tornado Safety Tutorial website created for the Story County Emergency Management Agency by Koehler, Gakhar, and Still.
- Still, J. D. (2004, May). Hands-free cellular phones: Greatest hidden public hazard on the roadway. Submitted to State Farm Insurance and cited by their internal newsletter. Later cited and linked by Wikipedia.

Guest Lectures:

- Keynote Speaker at Missouri Western State University's Psi-Chi Induction (Spring, 2010) – *You are the Difference!*
- Invited Research Talk at New Mexico State University (Fall, 2008) - *Viewing Affordances from a Cognitive Design Perspective*
- Invited Research Talk at Missouri Western State University (Fall, 2008) - *Viewing Affordances from a Cognitive Design Perspective*
- Invited Lecture at Missouri Southern State University (Fall, 2007) - *My Experience , Applying, Interviewing, and Being Accepted to Graduate School*

Teaching Experience (*Student Evaluation = 1 excellent - 3 average - 5 poor*):

Graduate Courses:

- User Centered Design Methods (1.1), Cognition in Design (1.3), Seminar in Human-Centered Design (I/II) (1.1), Applied Cognitive Design (1.1), Special Topics in Human-Centered Design (1.3), Graduate Research (1), Internship (n/a), Thesis (n/a)

Undergraduate Courses:

- General Psychology (1.6), Sensation & Perception (1.6), Human Factors in Technology (ISU), Psychology Research Team (n/a), Independent Research (n/a)

Foundation of the Psychology of Design (PoD) lab (August 2009)

Visit our digital residence at <<http://www.psychofdesign.com>>. Research in the PoD focuses on the creation of usable interfaces by adapting psychological theories to the design process. The goal of PoD is to scientifically develop and test design considerations using formal and practical methodologies.

Cofounder (with Dr. Brian Cronk), **Developer and Director of the Master of Applied Science (MAS): Human Factors and Usability Testing** (August 2009)

Our graduate program highlights curriculum from the four major areas necessary for developing products within a competitive environment: design, evaluation, implementation and professional phenomena surrounding. It was designed to focus on understanding human-centered design from a cognitive viewpoint; how a user will perceive, process, and respond to a product.

As acting director my responsibilities include: building partnerships with industry, recruiting students, conducting annual assessments of the program and facilitating communication between students/admissions/graduate studies.

Honors & Awards:

- Recipient of the James V. Mehl Outstanding Faculty Scholarship Award for 2011 *{one faculty member from the university is selected for this annual award}*
- Design Cognition Best Paper Prize at the Third International Conference on Design Computing and Cognition (2008, Georgia Institute of Technology)
- Exceptional Teaching in a Small Enrollment Course Award, awarded 2008, Department of Psychology at Iowa State University
- Human-Computer Interaction Student of the Year, awarded 2008, Iowa State University
- Glenn D. Dolence Recognition Award “Distinguished Contributions to the University Community”, awarded Spring 2004, Missouri Southern State University – Joplin
- Psi Chi (Psychology National Honor Society)
- Omicron Delta Kappa (National Leadership Honor Society)

Professional Affiliations:

- ACM's Special Interest Group on Computer-Human Interaction (SIGCHI)
- APA Division 21: Applied Experimental and Engineering Psychology
- Society for the Teaching of Psychology (STP)
- Member of the Association for Psychological Science
- Member of the Midwestern Psychological Association
- Member of the Association for Computing Machinery

- Member of the Human Factors & Ergonomics Society

Reviewer:

ad hoc Journal of Gerontology: Psychological Sciences

Judge – *Great Plains Undergraduate Research Conference*

2005 - 2009: Iowa State Liberal Arts & Sciences' Computer Advisory Committee releases approximately \$1,200,000 to departments for students' educational computing needs a year. Each committee member reviews approximately 80 proposals yearly.

Grants:

- \$200,000 (Not Funded). *Microsoft Research Faculty Fellowship*, Sponsored by Microsoft Research. Submitted 4/1/11
- Faculty Travel Grant, Missouri Western State University (2009, 2010 & 2011)
- \$36,006 (Fully Funded). *Alternative Technology Exploratorium & Usability Lab* - to expose Iowa State students to a variety of non-traditional technologies and provide the tools essential for hands-on usability testing activities. Submitted 2/15/08; Iowa State University Computer Advisory Committee, Project Leaders: Ana Paula Correia, Clyciane K. Michelini, Stephen Gilbert, Sheley Johnson Other Faculty Participants: Cheryl Achterberg, Carl Smith, Niki Davis, Brian Mennecke, Anthony Townsend, Lori Brunner, Sunghyun Kang Graduate Student Participants: **Jeremiah Still** , Michael Oren, Jacob Larsen, Evrim Baran Undergraduate Student Participants: Melanie Ritcher, Ginny Rogers, Kate Schmidt, Matthew Wisniewski, Kurt Jones.
- Professional Advancement Travel Grant, Iowa State Graduate College (2006, 2007 & 2008)

Departmental Service:

2009 - present: Director, MAS: Human Factors & Usability Testing Graduate Program (MWSU)

2009 - present: Graduate Council Committee (MWSU)

2009 - present: Participant Pool Committee Chair; Sona System Admin (MWSU)

2010 – 2011: Thesis Manual Committee Chair (MWSU)

2009 - 2010: Great Plains Student Conference Committee (MWSU)

2006 - 2009: Sona Experiment Management System Administrator (ISU)

2006 - 2009: Psychology Research Participant Pool Committee (ISU)

2004 - 2009: Administrator of the Psychology Department Website (ISU)

2007 - 2008: Human Computer Interaction Executive Committee (ISU)

2007 - 2008: Human Computer Interaction Student Organization President (ISU)

2003 - 2004: Psychology Club President (MSSU)

2003 - 2004: Administrator of the Psychology Club & Phi Chi Website (MSSU)

Previous Laboratory Experience:

2004 - 2009: Research Assistant
Attention & Memory Laboratory
Department of Psychology & Human-Computer Interaction Program
Iowa State University
Advisor: Veronica J. Dark, Ph.D.

E-mail: [vjdark\[at\]iastate.edu](mailto:vjdark[at]iastate.edu)

2005 -2007: Research Assistant
Human and Computer Vision Laboratory
Department of Psychology & Human-Computer Interaction Program
Iowa State University
Principal Investigator: Derrick Parkhurst, Ph.D.

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