

# LUCY R. SHORES

---

[lrshores@ncsu.edu](mailto:lrshores@ncsu.edu)

<http://www4.ncsu.edu/~lrshores>

## **Education:**

Ph.D. (anticipated): Educational Psychology; North Carolina State University, Raleigh, NC, May 2013  
M.S.: Computer Science; North Carolina State University, Raleigh, NC, August 2010, GPA: 3.8  
B.A.: Psychology/Computer Science; Rhodes College, Memphis, TN, May 2008, GPA: 3.62, *cum laude*  
H.S. Diploma: Homewood High School, Birmingham, AL, May 2004

## **Research Experience:**

*Research Assistantship*, North Carolina State University, John Nietfeld, PhD, Fall 2008 to present. Duties: assist in the development of Crystal Island, an educational science digital game, devise and execute experiments with Crystal Island, conduct literature searches, perform literature reviews, enter and analyze qualitative data using SPSS, assist in manuscript preparation. 20 hours weekly.

*Research Team Member*, Rhodes College, Betsy Williams, PhD, Spring 2008. Duties: Design and implement a virtual space using Maya 8, design and conduct an experiment testing the effects of virtual realities on human depth perception, enter and analyze qualitative data using SPSS, assist in manuscript preparation. Oral presentation at the Undergraduate Research and Creative Activity Symposium, Memphis, TN May 2008. Accepted for poster presentation at the 5<sup>th</sup> Symposium on Applied Perception in Graphics and Visualization, Los Angeles, CA, August 2008. 4 hours weekly.

*Research Team Member*, Rhodes College, Natalie Person, PhD, Spring 2008. Duties: Attended weekly meetings, aided team members in research on emotions and affect of student and instructor in tutoring environments, conducted literature reviews of publications regarding tutoring session models, edited coding manual for coding video of actual tutoring sessions for similarities to published tutoring session models, and assisted in data analysis. 4 hours weekly.

*Research Assistantship*, Rhodes College, Marsha Walton, PhD, Summer 2007. Duties: Administered numerous KidsTalk Science group sessions with inner-city adolescents, devised and implemented a system for coding adolescent narratives, entered and analyzed qualitative data using SPSS for adolescent narrative constructions, conducted literature reviews for a study examining adolescent use of identity in self-narratives, and assisted in manuscript preparation. Accepted for poster presentation at Society for Research on Adolescence Conference, Chicago, IL, March 2008. 20 hours weekly.

*Research Intern*, Institute for Intelligent Systems, University of Memphis, Andrew Olney, PhD, Spring 2007. Duties: Researched the development and applications of dialog systems, thoroughly evaluated TrindiKit toolkit, implemented a document summarization and question generation system using original and borrowed C# and Python code. 170 site hours.

## **Teaching, Mentoring, and Leadership Experience:**

*NSF STARS (Students & Technology in Academia, Research, & Service) Alliance Student Leadership Corps Member*, North Carolina State University, Raleigh, North Carolina, August 2009 to present. Duties: broaden participation in computing by participating in service, research, and outreach projects. Supervisor: Kristy Boyer; 10 hours weekly.

*Middle School Outreach Coordinator*, North Carolina State University, Raleigh, North Carolina, August 2009 to present. Duties: devise curriculum for teaching introductory computer science skills to middle school students, plan and lead bi-monthly sessions, lead team of five undergraduate session co-facilitators. 40 hours monthly.

*Computer Science Undergraduate Mentor*, North Carolina State University, Raleigh, North Carolina, August 2009 to present. Duties: mentor computer science graduate students on issues in order to decrease computer science attrition, mentor on issues such as graduate school, staying in the computer science program, and class scheduling. Supervisor: Joseph Grafsgaard; 4 hours weekly.

*Digital Media Laboratory Technician*, Rhodes College, Memphis, Tennessee, August 2005 to May 2008. Duties: Assist students and professors with scanning, video and picture editing, and media conversions using digital media programs such as, but not limited to, Adobe Photoshop C52, Adobe Premiere Pro 2.0, Adobe Encore DVD 2.0, and Macromedia Dreamweaver 8. Supervisor: Joe Wack; 10 hours weekly.

*Psychology Peer Tutor*, Rhodes College, Memphis, Tennessee, April 2006 to May 2008. Duties: Assist introductory Psychology students with understanding class material and test preparation. Supervisor: Bette Ackerman, PhD.; 4 hours weekly.

*Computer Science Peer Tutor*, Rhodes College, Memphis, Tennessee, August 2007 to May 2008. Duties: Assist introductory Computer Science students with Python programming, general concepts, and test preparation. Supervisor: Robert England, PhD.; 4 hours weekly.

### **Honors, Awards and Professional Societies:**

NSF STARS (Students & Technology in Academia, Research, & Service) Alliance, August 2009 – present  
Association for the Advancement of Artificial Intelligence, Spring 2009 - present  
American Educational Research Association, Spring 2009 - present  
Association for Computing Machinery, 2006 to present  
Eastern Educational Research Association, 2010 - present  
Facial Action Coding System expert, June 2009 – present  
Psi Chi, National Honor Society in Psychology, Rhodes College, Membership Chairman, 2006 to 2008

World Conference on Educational Multimedia, Hypermedia and Telecommunications 2009 Best Poster Award, Summer 2009

National Science Foundation Graduate Student Fellow, Summer 2010 – Spring 2013  
Dean's Fellowship, Fall 2008 - Spring 2009  
Honor Roll, Fall 2007  
Dean's List, Fall 2006  
Rhodes Grant, 2004-2008

### **Publications:**

#### **Book Chapters:**

Nietfeld, J. L. & **Shores, L. R.** (2010). Self-Regulated Learning within Digital Game-Based Environments. In L. Annetta & S. Bronack (Eds.), *Serious Educational Game Assessment*. Sense Publishers.

Lester, J. C., Mott, B. W., Rowe, J. P., Robison, J. L., & **Shores, L. R.** (anticipated 2011) Metacognition in Narrative-Centered Learning Environments. In R. Azevedo & V. Alevan (Eds.) *International Handbook of Metacognition and Learning Technologies*. Springer Science.

#### **Journal Articles:**

Rowe, J., Shores, L. R., Mott, B., & Lester, J. (in press) Integrating Learning, Problem Solving, and Engagement in Narrative-Centered Learning Environments. *International Journal of Artificial Intelligence in Education*.

#### **Conference Proceedings:**

**Shores, L. R.**, Rowe, J., & Lester, J. (2011) Early Prediction of Cognitive Tool Use in Narrative-Centered Learning Environments. To appear in Proceedings of the 15th International Conference on Artificial Intelligence in Education.

Rowe, J. P., **Shores, L. R.**, Mott, B. W., & Lester, J. C.. (2010). Individual Differences in Gameplay and Learning: A Narrative-Centered Learning Perspective. In *Proceedings of the Fifth International Conference on the Foundations of Digital Games (FDG)*, Monterey, CA.

Rowe, J. P., **Shores, L. R.**, Mott, B. W., & Lester, J. C.. (2010). Integrating Learning and Engagement in Narrative-Centered Learning Environments. In *Proceedings of the Tenth International Conference on Intelligent Tutoring Systems (ITS)*, Pittsburgh, PA. (**nominated for Best Paper Award**)

#### **Symposium and Workshop Proceedings:**

Robison, J. L. & **Shores, L. R.** (2010). Supporting Collaborative Learning in Narrative-Centered Learning Environments. In *Proceedings of the Grace Hopper Celebration of Women in Computing*. Atlanta, GA.

Rowe, J. P., **Shores, L. R.**, Mott, B. W., & Lester, J. C.. (2010). A Framework for Narrative Adaptation in Interactive Story-Based Learning Environments. In *Working Notes of the Intelligent Narrative Technologies III (INT-III) Workshop 2010*, Monterey, CA.

**Shores, L. R.**, Robison, J. L., Rowe, J. P., Hoffmann, K. F., & Lester, J. C. (2009). Narrative-Centered Learning Environments: A Self-Regulated Learning Perspective. The 2009 AAAI Fall Symposium on Cognitive and Metacognitive Educational Systems, Washington, DC.

#### **Presentations:**

**Shores, L. R.** & Nietfeld, J. L. (2011). The Role of Compensatory Scaffolds for Inquiry Learning in Narrative-Centered Learning Environments. The 2011 Annual Meeting of the American Educational Research Association (AERA-2011). New Orleans, LA.

Nietfeld, J. L. & **Shores, L. R.**. (2011). Self-Regulation and Metacognitive Monitoring within a Game-based Learning Environment. The 2011 Annual Meeting of the American Educational Research Association (AERA-2011). New Orleans, LA.

Nietfeld, J. L. & **Shores, L. R.** (2011). A Game-Based Learning Environment to Encourage Problem-Solving and Engagement in 5th Graders. To appear in *Proceedings of the 18th International Conference on Learning*. Mauritius.

**Shores, L. R.** & Nietfeld, J. L. (2010). *Challenges and Potential Solutions to Encourage Self-Regulation in Game-Based Learning Environments*. The 4th Biennial Meeting of the EARLI Special Interest Group 16 Metacognition, Muenster, Germany.

**Shores, L. R.**, Hoffmann, K. F., & Nietfeld, J. L. (2010). *The Impact of Narrative-Centered Learning Environments on Situational Interest and Problem-Solving Transfer*. The Annual Conference of the Eastern Educational Research Association (EERA), Savannah, GA.

Nietfeld, J. L., **Shores, L. R.**, & Cao, L. (2010). *Can Motivation and Beliefs Scales Predict Classroom Performance?* The 2010 Annual Meeting of the American Educational Research Association (AERA-2010) Denver, CO.

Nietfeld, J. L., **Shores, L. R.**, Hoffman, K. L. (2009). *Gender Differences in Motivation within a Narrative-Centered Learning Environment*. The Hawaiian International Conference on Education, Honolulu, HI.

**Shores, L. R.**, Nietfeld, J. L., Hoffmann, K. F., & McQuiggan, S. W. (2009). *An Examination of Individual Differences in a Narrative Centered Learning Environment*. World Conference on Educational Multimedia, Hypermedia and Telecommunications 2009 (pp. 3782-3788). Chesapeake, VA. **(Best Poster Award)**

Williams, B., Johnson, D., **Shores, L. R.**, & Narasimham, G. (2008). *Distance perception in virtual environments*. The 5<sup>th</sup> Symposium on Applied Perception in Graphics and Visualization, (p. 193). Los Angeles, CA.

Walton, M., Wilson, S., **Shores, L. R.** (2008). *"It Took me 25 Times to Prove Them Wrong": Echoing Appraisals of Others - A Narrative Device for Making Identity Claims*. The Society for Research on Adolescence Conference, Chicago, IL.

**References by request**