

CURRICULUM VITAE

JESSICA C. HILL

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AREAS OF INTEREST, SCHOLARSHIP, AND EXPERTISE

Attention and executive/cognitive control examined via eye tracking and analysis of eye movements, specifically developmental attentional differences, including oculomotor capture, inhibition of return, visual marking, and task switching. Development of more objective diagnostic criteria for individuals with Attention Deficit/Hyperactivity Disorder (ADHD). Exploration of the nature of deficits in reading associated with developmental dyslexia, specific subtypes, and related comorbidity to ADHD. Modification of reading models to accommodate the impaired reading performance seen in dyslexia. Developing crossover research techniques (e.g., adapting a ‘traditionally’ cognitive method for use in a developmental study) in order to bridge gaps of knowledge between areas of psychological research.

CURRENT POSITIONS

Teaching Assistant, *Department of Psychology, Florida State University* (August 2007 to present).
Teaching Assistant, *Division of History and Social Sciences, Tallahassee Community Colleges* (August 2007 to present).

EDUCATION

DOCTOR OF PHILOSOPHY, DEVELOPMENTAL PSYCHOLOGY: *Expected May 2010*

Florida State University, Tallahassee, FL

Thesis Title: *The role of masking in parafoveal preview: Benefit or penalty?*

Chair: Ralph R. Radach

MASTER OF ARTS, EXPERIMENTAL PSYCHOLOGY: 2003

University of Illinois at Urbana-Champaign, Urbana, IL

Emphasis in Visual Cognition and Human Performance

Minors: Cognitive and Biological Psychology

Thesis Title: *The Development of Attentional and Oculomotor Control*

Chair: Arthur F. Kramer

BACHELOR OF SCIENCE, PSYCHOLOGY, WITH DEPARTMENTAL HONORS: 1998

Florida State University, Tallahassee, FL

Emphasis in Cognitive Psychology

Minor: Computer Science

Honors Thesis Title: *Emergency Sounds and the Irrelevant Speech Effect*

Chair: L. Mark Carrier

PROFESSIONAL EXPERIENCE

FLORIDA STATE UNIVERSITY, Tallahassee, FL: Teaching Assistant, Department of Psychology (August 2007 to present).

Courses Taught:

Research Methods with Lab (PSY 3213C), **lecture**, FA 2007, 2008; SP 2008, 2009; SU 2008.

Responsible for the lecture portion of the course as well as coordinating multiple lab instructors. Typically 100 students were divided into four lab sections.

Research Methods with Lab (PSY 3213C), **lab**, FA 2007, SP 2008

TALLAHASSEE COMMUNITY COLLEGE, Tallahassee, FL: Adjunct Professor, Department History and Social Sciences (January 2007 to May 2009).

Courses Taught:

General Psychology (PSY 1212), **lecture**, SP 2007, 2008

Personal and Social Adjustment (CLP 1001), **lecture**, SP 2009

FLORIDA STATE UNIVERSITY, Tallahassee, FL: *Research Assistant*, Department of Psychology (May 2008 to November 2008). Studies included developmental research into attention-deficit/hyperactivity disorder (ADHD) and executive control including the relationship between executive control and eye movements, specifically developmental differences in the control of attention and eye movements.

FLORIDA STATE UNIVERSITY, Tallahassee, FL: Departmental Assistant, Department of Psychology (August 2006 to August 2007). Responsible for grading and proctoring in Abnormal Psychology (CLP 4143) and Physiological Psychology (PSB 3004C).

CASPER COLLEGE, Casper, WY: *Psychology Instructor*, Division of Social and Behavioral Sciences (August 2004 to May 2006).

Courses Taught:

General Psychology (PSYC 1000), **lecture**, 2004-2006

General Psychology (PSYC 1000), **online**, SP 2005, 2006

Psychological Research Methods (PSYC 2000), **combined lecture and lab**, SP 2005, 2006

Other Responsibilities:

Academic Advising, 2004-2006

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Champaign, IL: *Graduate Teaching Assistant*, Department of Psychology (August 2002 to May 2004).

Courses Taught:

Introduction to Psychology (PSYCH 100), **lecture**, 2002-2004. Instructed James Scholar Program students, FA 2002

Human Factors in Human-Machine Systems (PSYCH 258), **lab**, FA 2002, 2003

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Champaign, IL: *Graduate Research Assistant*, Department of Psychology (August 1998 to August 2002, SU 2003). Studies included developmental research into task switching and executive control; the relationship between executive control, eye movements, and working memory load; and developmental differences in the control of attention and eye movements.

FLORIDA STATE UNIVERSITY, Tallahassee, FL: *Undergraduate Research Assistant*, Department of Psychology (May 1997 to August 1998). Projects included a longitudinal study on remedial reading interventions in early elementary school readers; validation of a test of phonological awareness; and a comprehensive evaluation of software designed to aid children in learning to read.

GRANTS AND CONTRACTS

FLORIDA STATE UNIVERSITY COUNCIL ON RESEARCH AND CREATIVITY PLANNING GRANT, \$12,000 (Awarded, ongoing). Collaborated with design and writing; PI is Ralph Radach.

NATIONAL INSTITUTES OF HEALTH'S CENTER FOR SCIENTIFIC REVIEW: CHILD PSYCHOPATHOLOGY AND DEVELOPMENTAL DISABILITIES STUDY SECTION, \$275,000: *Visuomotor Analyses of Executive Functions in Children with ADHD* (Under revision, application: MH083162-01). Collaborated with design and writing; PIs are Ralph Radach and Janet Kistner.

CONTINUING EDUCATION

PODCASTING WORKSHOP, Florida State University, September 2007. Techniques for using podcasting as a supplement to classroom material.

FOSTERING ACCESSIBLE CLASSROOM ENVIRONMENTS FOR DISABLED INDIVIDUALS, Florida State University, April 2007. A workshop emphasizing ADA requirements and translating them into accessible classroom environments. Focused on technological enhancements (such as captioning for videos, programs such as Jaws or Jabber, etc...) and campus resources.

TECHNIQUES FOR ENCOURAGING DIRECTED AND ACTIVE STUDYING, Florida State University, March 2007. Instruction on creating and implementing learning objectives for use outside of class as a study aid and tool for directed reading of the text. Emphasized the role of learning objectives in the creation of examination materials.

USING TECHNOLOGY EFFECTIVELY IN THE CLASSROOM SEMINAR, Florida State University, January 2007. Training related to the effective use of PowerPoint in the classroom. Also included discussion of multimedia use as well as utilizing the internet during lecture.

SYLLABUS CONSTRUCTION SEMINAR, Tallahassee Community College, January 2007. A workshop dedicated to improving syllabi presentation and content.

DISTANCE EDUCATION MENTORING PROGRAM, Casper College, FA 2005, SP 2006. Training in the effective use of online media in distance education.

WEB CT WORKSHOP, Casper College, August 2004. Training in the use of a web-based course management system including tools related to preparation, delivery, and management of a distance education course.

GRADUATE TEACHER CERTIFICATE, University of Illinois at Urbana-Champaign, April 2004. The GTC program is designed to encourage TAs to develop their teaching skills. Required pre-semester orientation on teaching; six hours minimum of instructional workshops, classes, or seminars; supervisor observation of teaching involving written reflection of the observation and suggestions for improvement; must employ informal early feedback (IEF) and instructor and course evaluation system (ICES) including a written reflection on student evaluation and suggestions for improvement.

ILLINOIS COMPASS TRAINING, University of Illinois at Urbana-Champaign, December 2003. Training in the use of an electronic grade book software.

WRITING ACROSS THE CURRICULUM PROGRAM, University of Illinois at Urbana-Champaign, August 2003. This program is designed to encourage the use of writing assignments as a tool for learning for students. Participation in this workshop included development of clear writing assignments; the appropriate use of term-papers, critical reviews, and micro-themes; and identified campus resources for students completing writing assignments.

SMART CLASSROOM TRAINING, University of Illinois at Urbana-Champaign, August 2002, August 2003. Training in the use of multi-media classrooms including all aspects of audio-visual, computer, and online technology during classroom instruction.

SERVICE

EDITORIAL REVIEW, McGraw-Hill: Reviewer, SU 2008

GRADUATE NERVE CENTER, Tallahassee Graduate Community: President 2007 to present

ENROLLMENT MANAGEMENT COMMITTEE, Casper College: Member 2004 to 2006

LIBRARY COMMITTEE, Casper College: Member 2004 to 2006

BETA TESTER FOR ILLINOIS COMPASS, University of Illinois at Urbana Champaign, FA 2003

HONORS AND AWARDS

DELORES AUZENNE FELLOWSHIP, awarded but declined

FORD FOUNDATION FELLOWSHIP, Honorable Mention, 1999, 2001

HONORABLE MENTION IN THE JOHN MCKAY SHAW POETRY COMPETITION, 1998

FINANCIAL AWARDS

McKNIGHT DOCTORAL FELLOWSHIP PROGRAM, 2006-2009

ILLINOIS CONSORTIUM FOR EDUCATIONAL OPPORTUNITY PROGRAM FELLOWSHIP, 2003-2004

NATIONAL INSTITUTE FOR AGING MINORITY GRANT SUPPLEMENT, 1999-2000

UNIVERSITY OF ILLINOIS GRADUATE COLLEGE FELLOWSHIP, 1998-1999

COCONUT GROVE MASONIC LODGE BOOK SCHOLARSHIP RECIPIENT, 1994-1998

FLORIDA SCHOLARS RECIPIENT, 1994-1998

SETH NORRIS FUND RECIPIENT, 1994-1998

TEAMSTERS LOCAL #763 SCHOLARSHIP RECIPIENT, 1994-1998

TEAMSTERS NATIONAL SCHOLARSHIP RECIPIENT, 1994-1998

MEMBERSHIPS

HUMAN FACTORS AND ERGONOMICS SOCIETY STUDENT CHAPTER, Member 2003 to present
 PSI CHI NATIONAL PSYCHOLOGY HONOR SOCIETY, Member 1997 to present
 GOLDEN KEY HONOR SOCIETY, Member 1997 to present
 PHI BETA EPSILON NATIONAL FRESHMAN HONOR SOCIETY, Member 1994 to present
 PHI SIGMA PI NATIONAL HONOR/SERVICE FRATERNITY, Member 1997-1998
 AMERICAN PSYCHOLOGICAL ASSOCIATION, Associate Member 1997-1998
 OSCAR ARIAS SANCHEZ HISPANIC HONOR SOCIETY, Member 1995-1997

SKILLS

TECHNOLOGICAL EXPERTISE: Blackboard, Borland C/C++ Compiler, C/C++ Programming, Colleague, Compass GradeBook, Endnote, FORTRAN Programming, GradeBook, HTML and Web Design, Microsoft Office Suite, PERL, SPSS, Statistica, WebAdvisor, WebCT

LANGUAGES: fair Spanish comprehension with limited verbal abilities; fair French comprehension and verbal abilities

PUBLICATIONS AND PRESENTATIONS

Peer-Reviewed Publications in Journals, in Print, or Accepted:

Kramer, A., Gonzalez de Sather, J., & Cassavaugh, N. (2005). Development of Attentional and Oculomotor Control. *Developmental Psychology*, 41, 760-772.

Cepeda, N., Kramer, A., & Gonzalez de Sather, J. (2001). Changes in executive control across the life span: Examination of task-switching performance. *Developmental Psychology*. Vol. 37 (5), 715-730.

Articles in Review or in Preparation:

Hill, J. C., & Radach, R. (in preparation). The role of word shape and distractor similarity in the parafoveal preview effect.

Hill, J. C., Boot, W., & Alban, M. (in preparation). Eye movement trajectory deviations and spatial working memory: Is it really working memory or simply inhibition of return?

Hill, J. C., Radach, R., Kistner, J., Lopez, T., & Haislup, C. (in preparation). Attentional differences in children with ADHD evaluated via oculomotor measurements.

Hill, J. C., Radach, R., Kistner, J., Lopez, T., & Haislup, C. (in preparation). Response and stimulus suppression in children with ADHD evaluated via oculomotor measurements.

Hill, J. C. (in preparation). The discriminability of letters presented parafoveally.

Peer-Reviewed Publications in Conference Proceedings:

Tokuda, S., Rantanen, E., & Gonzalez de Sather, J. (2004). An electronic instruction manual and checklist for steam boiler start-up. Proceedings of the 48th Annual Meeting of the Human Factors and Ergonomics Society (p.2197-2201). Santa Monica, CA: HFES.

Rantanen, E., & Gonzalez de Sather, J. (2003). Special Projects in Undergraduate Human Factors Courses: Evaluation of Power Plant Boiler Control Interface. Proceedings of the 47th Annual Meeting of the Human Factors and Ergonomics Society (p. 899-902). Santa Monica, CA: HFES.

Conference Presentations:

Cepeda, N., Gonzalez de Sather, J., & Kramer, A. (2000). Task Switching Across the Life Span. Poster presented at the 2000 Cognition and Aging Conference, Atlanta, GA.

Invited Presentations:

Hill, J. C. (2009). Informativeness of eye movement trajectory deviations and their relation to attention and cognition. McKnight Doctoral Fellowship Mid-Year Meeting, Tampa, FL.

Hill, J. C. (2008). A review of eye tracking measures, methods, and tasks in relation to typical and non-typical childhood development. Research focus group presentation, Tallahassee, FL.

Hill, J. C. (2008). Utilizing eye tracking technology and traditionally cognitive psychology methods to examine a “traditionally” clinical psychology topic: ADHD. Research focus group presentation, Tallahassee, FL.

Hill, J. C. (2007). A Technical Review of Current Models of Reading. Research focus group presentation, Tallahassee, FL.

Gonzalez de Sather, J. (2003). The Development of Attentional and Oculomotor Control. Presentation at Divisional Meeting, Champaign, IL.

Gonzalez de Sather, J. (1999). Task Switching Across the Life Span. Presentation at Divisional Meeting, Champaign, IL.

Theses and Dissertation:

Hill, J. (2010). The role of masking in parafoveal preview: Benefit or penalty? *Dissertation*.

Gonzalez de Sather, J. (2003). The Development of Attentional and Oculomotor Control. *Master's Thesis*.

Gonzalez-Michales, J. (1998). Everyday Sounds and the Irrelevant Speech Effect. *Undergraduate Honors Thesis*.