

EDUCATION

Ph.D., Instructional Technology, April 2002

Virginia Polytechnic Institute and State University, Blacksburg, VA

Dissertation: Qualitative analysis of the use of colored overlays with children experiencing reading disability and field dependency

Advisor: Dr. Barbara Lockee

M.A.Ed., Curriculum and Instruction, May 2000

Virginia Polytechnic Institute and State University, Blacksburg, VA

Advisor: Dr. Greg Sherman

B.A., English, May 1984

University of Arkansas, Fayetteville, AR

B.S., Zoology, May 1983

University of Arkansas, Fayetteville, AR

RELATED PROFESSIONAL EXPERIENCE

- **Graduate Research Associate**, NCATE/Center for Teacher Education, Virginia Polytechnic Institute and State University, Blacksburg, VA. Dr. Patricia Kelly, Director of Center. August 2001-present.
 - Design, develop, and implement NCATE Web-based Accreditation Project
 - Maintain Center for Teacher Education Web
- **Graduate Research Associate**, Blacksburg Electronic Village, Virginia Polytechnic Institute and State University, Blacksburg, VA. Dr. Andrea Kavanaugh, Director of Research. August 2000-August 2001.
 - Statistical analysis of data from three grants funded through Virginia Tech and Blacksburg Electronic Village
 - Design, develop, and implement large-scale survey for five community network projects nationwide.
 - Grant writing, fiscal award decisions, and quarterly report responsibility for both Blacksburg Electronic Village and Virginia Tech through one grant, handled jointly.
- **Graduate Research Assistant**, Human Computer Interaction Group, Virginia Polytechnic Institute and State University, Blacksburg, VA. Dr. John Carroll, Professor. September 2000-August 2001.
 - Survey design and implementation for Blacksburg Electronic Village grant as well as Virginia Tech Human/Computer Interaction Grant.

- Implementation of qualitative research for BEV grant, including assessment of participant pool, proxy service setup, and interviews.
- **Graduate Teaching Assistant**, Center for Teacher Education, Virginia Polytechnic Institute & State University, Blacksburg, VA. Dr. Patricia Kelly, Director of Center for Teacher Education. August 1999-August 2000.
 - Design, develop, and implement NCATE Web-based Accreditation Project
 - Maintain Center for Teacher Education Web
 - All aspects of Clinical Faculty Consortium work, including implementation of on-line handbook for clinical faculty.

TEACHING AND INSTRUCTIONAL DEVELOPMENT EXPERIENCE

- Guest Lecturer for Models of Teaching course, Spring 2001.
- Designed and taught a Web Accessibility Workshop for a college faculty development program at Virginia Tech, Spring 2000. Worked with development team to create a web-based tutorial version, currently used for university-wide faculty training. URL: <http://www.edtech.vt.edu/edtech/accessible/IT/root/default.htm>
- Developed, designed and implemented just-in-time training plan for Visteon Corporation, creating a web-based, just-in-time training template to showcase development ideas for the corporation, Fall 2000. URL: <http://filebox.vt.edu/w/willisl/defaultV.htm>
- Taught Title I after school reading program *Quilting!* - Incentive program offered by Christiansburg Elementary School Title I Program, Fall semester 1999.
- Taught *Web Page Principles for Principals*, Pulaski County Administrators Class, August 1999. Two-day class on developing websites for administrators, taught with Heidi Dickens.
- Team-based design and development of web-based instructional module on graphics design for the online Instructional Technology Masters Program, Virginia Tech, Fall 1999.
- Co-designed, developed, and taught distance learning unit on Descriptive Writing, both synchronously and asynchronously, Fall 1999.
- Consultation and tutorial sessions on technology integration in the classroom for engineering program faculty, Virginia Military Institute, Lexington, VA. 1999-present.

REFEREED JOURNAL PUBLICATIONS

- Willis, L. and Lockee, B. (in press). Pragmatic instructional design for distance education. *International Journal of Instructional Media*, 31(1).

MANUSCRIPTS IN PREPARATION

- Willis, L. R. (2001). *Mary's Story: It's just the way things were.* In M. Uttech (Ed.), *Schooling, segregation and society: A collaborative collection of oral histories from the Christiansburg Institute Alumni.* Manuscript submitted for publication.
- Willis, L. R. Experiencing oral histories of another generation and another world: A student's perspective. Paper to be presented at the XIIth International Oral History Conference, Pietermaritzburg, South Africa, June 24-27, 2002.

PRESENTATIONS

- *Oral History in Teaching and Learning.* Accepted Proposal for Thematic Panel Presentation at the XIIth International Oral History Conference, Pietermaritzburg, South Africa, June 24-27, 2002.
- Presentation of NCATE Web development project, NCATE Advisory Committee, April 2002.
- A Collection of Oral Histories from the Christiansburg Institute Alumni. Presented to the 2001 Christiansburg Alumni Banquet Dinner, Red Lion Inn, Blacksburg, VA, June 30, 2001.
- *Schooling, Segregation, and Society: A Collaborative Collection of Oral Histories from the Christiansburg Institute Alumni.* Presented at the Donaldson Brown Conference Center, Blacksburg, VA. March 30, 2001.
- *Schooling, Segregation, and Society: A Collaborative Collection of Oral Histories from the Christiansburg Institute Alumni.* Presented at the 22nd Annual Ethnography In Education Research Forum, Philadelphia, PA. March 1-4, 2001.
- Presentation of Web Accessibility Issues Faculty Development Web Page to Faculty of the College of Human Resources and Education, designed in partial fulfillment of Instructional Technology Clinic, Dr. Barbara Lockee, Professor, May 2, 2000.
- Presentation of initial NCATE Web Site, NCATE Advisory Committee, February 2000.
- Presentation of Clinical Faculty Consortium Web Site, Hollins College, November 1999.

SESSION MODERATOR

- Virginia Tech Center for Teacher Education Excellence in Education Conference, November 1-2, 2001.
- College of Human Resources and Education Faculty Association Meeting and Fourth Annual CHRE Graduate Student Research Day, March 27, 2001.

GRANTS

I have had the opportunity to work on the following funded grants throughout my academic tenure within the Departments of my employ. These include:

- **Graduate Research Associate**, NCATE/Center for Teacher Education, Virginia Polytechnic Institute and State University, Blacksburg, VA. Dr. Patricia Kelly, Director of Center for Teacher Education. August 2001-presently funded.

Responsibilities include creation and implementation of College of Human Resources NCATE Web Site; maintenance of web site for Center for Teacher Education.

- **Clinical Faculty Consortium**, Dr. Patricia Kelly, August 1999-May 2000.

Responsibilities included instrument creation and dissemination in evaluation of program; website creation and maintenance of all Clinical Faculty Consortium websites pertaining to Center for Teacher Education and of NCATE websites within College of Human Resources and Education for Virginia Tech.

- **TOP Grant**, Andrea Kavanaugh, Scott Patterson, Joseph Schmitz, Co PI's. "The Internet and Community: A National Survey of the Role of Community Computer Networks and the Quality of Life." August 2000-August 2001.

Responsibilities included instrument creation and implementation, data entry, analysis, and synthesis into report; follow-up survey instrumentation and implementation; observations, interviews. Assistance with methodology report, quarterly reports, and final report.

- **Public Telecommunications Facilities Program Implementation Grant**, Andrea Kavanaugh. "Meeting the Education and Health Needs of Rural Appalachia: Integrating Wire and Wireless Solutions. August 2000-August 2001.

Responsibilities included negotiating contract with PTFP in Principal Investigator's absence, follow-up on all hardware and fiscal conditions, assisting in information dissemination and final report creation.

- **Public Telecommunications Facilities Program, Construction Grant**, Andrea Kavanaugh. "Meeting the Education and Health Needs of Rural Appalachia: Integrating Wire and Wireless Solutions. August 2000-August 2001.

Responsibilities included negotiation of grant finance appropriations with Grantee; assisting in information gathering, hardware and software recommendations, grant submittal, and further hardware implementation at sites.

- **National Science Foundation Grant, Valuation of a Community Network**. Jack Carroll, Mary Beth Rosson, Andrea Kavanaugh, Principal Investigators. September 2000-August 2000.

Responsibilities included creation of survey instruments, demographic information, contact information creation and implementation, interviews, data analysis.

In addition to these grants, I have written the evaluation plan for one project for the Pulaski County School System, and the evaluation plan for one proposal.

- **Pulaski County School Systems: Computer Technology Grant.** Heidi Dickens, Principal Investigator. September 1999-May 2000.
Responsibilities included creation, implementation and dissemination of survey instruments to monitor learning within the school faculty using computer technology implementation standards. This was carried further with an independent study (Dr. G. Sherman, Advisor) the following fall. Additional monies procured by this study.
- **The Effective Use of e-Learning in Support of VA SOL: Anytime/Anywhere Technology-Based Training Supporting Technology Standards.** Submitted with H. Dickens, Pulaski County Technology Advisor, 2000. *Not funded.*

ACADEMIC EDITORIAL EXPERIENCE

- Manuscript Indexing, *Making Sense of Attention Deficit/Hyperactivity Disorder*, Dr. C. R. Lensch, Author. Bergin & Garvey Publishing. November 1999.
- Manuscript Indexing, *Engineering Vibration*, Dr. D. J. Inman, Author. Prentice-Hall. May 1995.
- Editorial work for American Society of Mechanical Engineers, Fluids Engineering Division, Dr. Demetri P. Telionis, Editor, 1990-1999.

ADDITIONAL EXPERIENCE

Fiscal Technician, Aeroprobe Corporation, Corporate Research Center, Blacksburg, VA. Vasso Sugas, President. August 1995- July 1999. [Part-time employment.]

- Implemented and facilitated all software based records for Private Corporation.
- Ordered and received all products for company.

Program Support Technician, Engineering Science and Mechanics Department, Virginia Polytechnic Institute and State University, Blacksburg, VA. E.G. Henneke, Department Head. 1988-1999.

- Administration of all computer-based class work and information for faculty members, their engineering courses, and their research. Maintained class websites.
- Mastery in TeX and LaTeX, on UNIX-based and Windows-based systems.
- Analysis and implementation of technical skills used in support of journal editors and publications.
- Systematize all publications, proceedings, and books from typesetting to camera-ready copy.
- Proficiency in all Windows Applications, DOS based engineering programs, Internet Tools, and UNIX based programs.

Office Service Specialist, Engineering Science and Mechanics Department, Virginia Polytechnic Institute and State University, Blacksburg, VA. D. Frederick, Department Head. 1986-1988.

- Administration of all faculty and visiting professors applications.
- Maintenance of mainframe computer accounts, and class registration.
- Implementation and maintenance of computerized departmental research accounts.
- Supervision of part-time clerical aides.

Information Processing Specialist, Computer Demonstration Facility and Software Repository, Donaldson Brown Center, Virginia Polytechnic Institute and State University, Blacksburg, VA. C. N. Lester, Supervisor. 1985-1986.

- Development and maintenance of software repository.
- Expert assistance and tutorials on approximately 20 different microcomputers.
- Expertise of mainframe terminals.
- Facilitation of all computers and all software within the repository.

HONORS/AFFILIATIONS

- Kappa Delta Pi, 2002
- Phi Kappa Phi, 2001
- Kappa Omicron Nu, 2001
- American Society for Training & Development, Valleys of Virginia Chapter, 2001
- American Educational Research Association, 2001
- Virginia Society for Technology in Education, 1999
- Educational Scholarship, Fall Semester 1999