Dr. E. Kent Palmer

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CAREER GOALS:

- Using technology to help educational institutions and other nonprofit organizations meet their objectives
- Continue to expand my knowledge and understanding of informatics
- Assist students and others in learning how to use information resources

DEGREES EARNED:

Ph.D. in Information Science, Nova Southeastern University, Fort Lauderdale, 2004

M.A. in Environmental Administration (with academic honors)**,** University of Illinois, Springfield, 1987

B.S. in Physics (cum laude)**,** University of Wisconsin, Green Bay, 1982

PROFESSIONAL EXPERIENCE:

Assistant Professor of Computer Science, 2004 – Date, Wingate University, Wingate, NC
- Taught System Administration, Databases, Networking, and other computer science courses.
- Involved students in research on Web design and System Administration
- Chaired Wingate University's Research Review Board

Instructor of Computer Science, 1999 – 2002, MacMurray College, Jacksonville, IL
- Chair of department
- Taught Management Information Systems and Computer Science Courses

Oracle Database Administrator, 1995 – 1999, Habitat for Humanity International, Americus, GA
- Upgraded fundraising software to meet the needs of a growing organization.
- Maintained a fundraising database that was used to send over 30 million pieces of mail per year.
- Responsible for disaster recovery planning
- Developed backup scripts and testing procedures to verify that ability to restore data
- Responsible for capacity planning

VMS System Administrator, 1994 – 1995, Habitat for Humanity International, Americus, GA
- Installed new servers and configured VMS Cluster (46 terminals sharing 3 servers).
- Tuned servers for maximum performance and resource availability
- Installed and maintained financial and payroll software
- Backed up VMS Cluster

Pathworks Network Administrator, 1992 – 1993, Habitat for Humanity International, Americus, GA
- Installed and configured firewalls, routers, networking hubs, terminal servers, and repeaters.
- Installed and configured network server software
- Backed up servers
- Provided support for a network of 50 PCs and 20 Macs

PC Network Support, 1990 – 1992, Habitat for Humanity International, Americus, GA
- Provided support for payroll package and human resource database on PCs
- Installed graphic arts applications on Macs and trained users in the use of Macs and the software

Microcomputer Specialist, 1987 – 1989, Koinonia Partners, Americus, GA
- Installed and maintained a small network of 6 Macs.
- Wrote custom software to handle the marketing of Koinonia's pecan and fruitcake products.
- Converted Koinonia's manual accounting and order processing systems to electronic systems.
- Assisted with Koinonia's after school tutoring program.

Intern in the Radiochemistry Laboratory, 1985 – 1987 Illinois Department of Nuclear Safety, Springfield, IL
- Wrote computer programs to determine radiation levels in environmental samples
- Performed gamma spectroscopy analysis of natural samples.

Lab Assistant, 1984, MacMurray College, Jacksonville, IL
- Assisted in the instruction of computer courses for adult learners

Research Assistant, 1982 – 1983, Clemson University, Clemson, SC
- Absorption of Sulfur dioxide in limestone slurries
- Dispersion of air pollution

Research Assistant, 1982, Argonne National Laboratory, Joliet, IL
- Assisted in the development of computer models of liquid metal MHD power plants.

PUBLICATIONS:

Palmer, E. K. (1999). Review of: Project looking forward: Sketching the future of copyright in a networked world, Final report. *Journal of Government Information, 26*, 582-584.

CONFERENCE PRESENTATIONS:

Palmer, E. K. (2010, March). *Introducing Open Source Tools Early: A Project Course Between CS1 & CS2 Based on Common Reading Text.* Poster to be Humanitarian Free and Open Source Software Symposium, Milwaukee, WI.

Fu, X., Qian, K., Peltsverger, B., Palmer, E. K., Xu, C., & Zhang, Y. (2010, March). *New Trends in Automated Project Grading for Web Programming Classes.* Poster to be Presented at ACM technical symposium on computer science education, Milwaukee, WI.

Palmer, E. K. (2009, June). *How experience in nonprofit organizations influences the instruction of computer science.* Presented at SoftHum Workshop on Involving Students in Humanitarian Free and Open Source Software Projects, Drexel University, Philadelphia, PA.

Palmer, E. K. (2009, March). *Teaching system administration using Windows PowerShell.* Poster Presented at ACM technical symposium on computer science education, Chattanooga, TN. (Page 574 of Conference Proceedings)

Palmer, E. K. & Kent, J. A. (2007, March). *Do computer science department websites meet the needs of students?* Paper presented at IEEE Southeastcon, Richmond, VA. (Page 333-337 of Conference Proceedings)

Palmer, E. K. (2004, June). *The usability of mission web sites*, Paper presented at the International Conference on Computers in Missions, Upland, IN.

SEMINAR PRESENTATIONS:

Palmer, E. K. and Armstrong, P. (2004). *Effective mission web sites*, Upland, IN: Taylor University.

RESEARCH EXPEDITIONS:

Icelandic Glaciers (2007) Earthwatch Expedition which collected geographical data to develop computer models of glacial outwash flood events.

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS AND HONARY SOCIETIES:

- Association for Computing Machinery
- Consortium for Computing Sciences in Colleges
- Upsilon Pi Epsilon-Computer Science Honor Society
- Institute of Electrical and Electronics Engineers

INVOLVEMENT WITH LOCAL NONPROFIT ORGANIZATIONS:

- Habitat for Humanity, Union County
- Sulawesi Language Foundation, Waxhaw

INVOLVEMENT WITH INTERNATIONAL NONPROFIT ORGANIZATIONS:

- Habitat for Humanity International – Advise on donation processing
- Servicio Internacional para la Paz (SiPaz) – Assist with donor management software
- Jungle Aviation And Radio Service (JAARS) – Assist with development of phonology analysis software

PREVIOUS NONPROFIT INVOLVEMENT:

- Brethren Volunteer Service
- Eastern Mennonite Board of Missions and Service
- Habitat for Humanity International – Provided computer support for the direct mail, telemarketing, major donor, matching gift, and special event fundraising programs
- Koinoina Partners – Provided computer support for accounting and development
- North Eastern Wisconsin Whole Foods Coop – Board of directors
- Peace Brigades International (PBI) – Assisted with donor management software
- Society for Environmental and Educational Development – Board of directors

TEACHING RESPONSIBILITIES:

Goshen College: 2010 to date

INFO 200	Informatics I
INFO 340	Database Design
INFO 350	Computer Networking

Wingate University: 2004 to 2010

CS 110	Computing for the 21st Century
CS 120	Introduction to Programming I (C++/Java)
CS 220	Introduction to Programming II (C++/Java)
CS 270	Intermediate Programming
CS 302	Database Management Systems
CS 325	Windows Programming
CS 320	Data Structures
CS 330	Management Information Systems
CS 331	Internet Programming
CS 350	Java Programming
CS 416	Computer Networking
CS 430	Operating Systems
CS 450	Theory of Computation
CS 460	Computer Science Project
CS 490	Special Topics in Computer Science
MARK 404	E-Commerce

MacMurray College: 1999 to 2003

ACCT 355	Electronic Accounting, Auditing, and Control
CSC 101	Microcomputer & Business Applications
CSC 202	Programming using Visual Basic
CSC 203	Introduction to C Programming
CSC 204	Advanced Visual Basic Programming
CSC 205	Advanced Programming (C++)
CSC 206	Introduction to Java Programming
CSC 208	Introduction to Management Information Systems
CSC 233	Data Structures
CSC 305	Computer Organization
CSC 320	Operating Systems
CSC 343	Electronic Commerce

INSTITUTIONAL SERVICE PERFORMED:

Wingate University:

- Web Site Design Committee
- Library Committee
- Research Review Board (Chair)
- Technology Support Task Force

MacMurray College:

- Chair of Computer Science/Management Information Systems
- Instructional Technology Committee