

Dr. E. Kent Palmer

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CAREER GOALS:

- Assist people in learning how to use computers
- Use technology to help educational institutions and other nonprofit organizations meet their objectives
- Continue to expand my knowledge and understanding of computer systems

DEGREES EARNED:

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

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

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

PROFESSIONAL EXPERIENCE:

EIS Analyst, 2017 – Date, Eastern Mennonite University, Harrisonburg, VA
- Provide support for Jenzabar (Higher Education Management Software)

Database Administrator, 2014 – 2017, MacMurray College, Jacksonville, IL
- Manage SQL Server database
- Provide support for Jenzabar (Higher Education Management Software)

Adjunct Professor of Computer Science, 2016, Illinois College, Jacksonville, IL
- Teach Computer Organization in computer science program

Adjunct Professor of Informatics, 2014 – 2016, Goshen College, Goshen, IN
- Teach Technology, Information, and Data Analysis in online MBA program

Associate Professor of Informatics, 2010 – 2014, Goshen College, Goshen, IN
- Taught Informatics, Databases, Networking, and other computer related courses.
- Involved students in research on Informatics and Mobile App Programming

Assistant Professor of Computer Science, 2004 – 2010, 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/VMS System Administrator, 1994 – 1999, Habitat for Humanity International, Americus, GA

- Database administrator for a fundraising database that was used to send over 30 million pieces of mail per year
- Installed and maintained financial and payroll software
- Installed new servers and configured VMS Cluster (46 terminals sharing 3 servers)
- Tuned servers for maximum performance and resource availability
- Responsible for capacity planning
- Responsible for disaster recovery planning

Pathworks Network Administrator, 1992 – 1994, 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

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
- Responsible for Nutshell databases

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
- Worked with Filemaker databases

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.\

PUBLICATIONS:

- Palmer, E. K. (2013, October). Use of LiveCode in CS0. *The Journal of Computing Sciences in Colleges*, 29, 94.
- Palmer, E. K. (2012, October). Mobile app development in CS0 using Corona SDK. *The Journal of Computing Sciences in Colleges*, 28, 113.
- 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:

- McGuffee, J. W., Palmer, E. K., & Guzman, I. R. (2016, March). *Assessing the Tier-1 Core Learning Outcomes of CS2013*. Paper presented at ACM Technical Symposium on Computer Science Education, Memphis, TN.
- Palmer, E. K., Linkletter, T., Alexander, P., Roden, P. L., Dhariwal, K., & Guzman, I. R. (2015, March), *CS2013 Assessment Exam*. Poster presented at ACM Technical Symposium on Computer Science Education, Kansas City, MO. (Page 680 of Conference Proceedings)
- Palmer, E. K. (2014, September). *CS 2013: How to determine if your department meets the new guidelines*. Consortium for Computing Sciences in Colleges – Midwest Regional Conference 2014, Olivet Nazarene University, Charleston, IL.

- Surma, D., Beasley, R., Lehman, J., Geise, M. J., & Palmer, E. K. (2012, October). Panel for Session on Computer Literacy: *What it means and do today's college students need a formal course in it?* Consortium for Computing Sciences in Colleges – Midwest Regional Conference 2012, Eastern Illinois University, Charleston, IL.
- Palmer, E. K. (2011, September). Chair of Session on *Innovative teaching tools for Computer Science* at the Consortium for Computing Sciences in Colleges – Midwest Regional Conference 2011 Huntington University, Huntington, IN.
- Bhattacharya, P., Guo, M., Tao, L., Wu, B., Qian, K., and Palmer, K. (2011, July) *A Cloud-based Cyberlearning Environment for Introductory Computing Program Education*. Poster presented at the IEEE International Conference on Advanced Learning Technologies.
- Palmer, E. K. (2010, March). *Introducing Open Source Tools Early: A Project Course Between CS1 & CS2 Based on Common Reading Text*. Poster presented at 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 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.
- Palmer, E. K. and Armstrong, P. (2004). *Effective mission web sites*, Upland, IN: Taylor University.

ORGANIZATIONAL LEADERSHIP

- 2013 Midwest Conference Chair -Consortium for Computing Sciences in Colleges
- 2011-2014 Midwest Student Poster Chair-Consortium for Computing Sciences in Colleges
- 2013-2014 Advisory Board for the Computer Programs of North Central Region of Ivy Tech

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

CURRENT SERVICE:

- CS2013 Assessment Council (Institute for the Certification of Computing Professionals)

NONPROFIT VOLUNTEER SERVICE:

- CAPS - Child and Parent Services, Elkhart, IN – Supervise student projects
- Center for Community Justice, Elkhart, IN – Supervise student projects
- Walnut Hill Early Childhood Center, Goshen, IN – Supervise student projects
- Brethren Volunteer Service – Volunteer for one year
- Eastern Mennonite Board of Missions and Service – Volunteer for two years
- Habitat for Humanity International – Provided computer support for the direct mail, telemarketing, major donor, matching gift, and special event fundraising programs
- Koinonia 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
- Servicio Internacional para la Paz (SiPaz) – Assist with donor management software
- Jungle Aviation And Radio Service (JAARS) – Assist with development of phonology analysis software
- Society for Environmental and Educational Development – Board of directors

TEACHING RESPONSIBILITIES:

Illinois College: 2016

CS 280 Computer Organization and Architecture

Goshen College: 2010 to 2014

Core 152 GC Sem: Free Information
Cosc 315 Advanced Programming (Java)
Cosc 340 Artificial Intelligence
Cosc 360 Operating Systems
Cosc 400 Advanced Project – iPhone App development
Info 200 Informatics I
Info 230 Programming I (Python)
Info 300 Informatics II
Info 330 Programming II (Python/C++)
Info 340 Database Design
Info 345 Web Applications
Info 350 Computer Networking
Info 355 Systems Analysis
Info 399 Special Topics – Mobile App Programming
Info 405 Project Management
Info 409 Capstone Project
MBA 671 Technology, Information and Data Analysis

Wingate University: 2004 to 2010

CS 110	Computing for the 21 st 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:**Goshen College**

- Faculty-Student Tech Advisory Committee
- Quantitative Literacy Taskforce
- iPad advisory committee

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