

Personal Mission Statement

To Learn, To Create, To Teach, To Empower in Art, Science, and Stewardship

Key Abilities and Accomplishments

Professional experience (31 years) spans the public, private, and not-for-profit sectors with specializations in **environmental education, technology application, and sustainability leadership**. Professional accreditations include Microsoft Certified Professional Solution Developer (MCSD), GIS Technician II, Green Classroom Professional, and Leadership in Energy and Environmental Design Accredited Professional, Neighborhood Development (LEED AP ND). Former Microsoft Hohm™, Green Register, Sustainable Industries, Ecotech Institute/Ecotext, and Triple Pundit blogger. Winner of Planet Ark’s World Environment News Letter to the Editor competition, 2011.

Education

[On Hold] Ph.D. (ABD!), **Interdisciplinary/Env. Eng.** (GPA 3.70), University of Alabama at Birmingham
1986-1990 M.P.A., **Urban Planning & Policy Analysis** (GPA 3.66), University of Alabama at Birmingham
1982-1986 B.S., **Environmental Studies**, New College (Magna Cum Laude), University of Alabama

Employment

2017- **Adjunct Instructor, University of Montevallo**
 Taught ES200, Environment and Society

2017- **Administrator, First Presbyterian Church, Birmingham**
 Worked with head of staff and ordained staff to maintain communication among all involved in ministry at oldest church in Birmingham – including paid, volunteer, and elected personnel. Served as liaison between ordained and non-ordained staff and those to whom non-ordained staff report. Maintained personnel files, oversaw maintenance of building/facility, and authorized all expenditures for repair to the facility in consultation with head of staff. Responsible for payroll, recording contributions, paying bills, and quarterly giving statements.

2014-2017 **Energy Program Manager, Alabama Environmental Council**
 Developed and launched Alabama Solar Knowledge (ASK) web site, knowledge base, and GIS mapping project. Managed all aspects of social media promotions. Many public speaking appearances at events and on radio & TV.

2014-2015 **Defend Rivers Coordinator, Alabama Rivers Alliance (2-month contract)**
 Helped promote Alabama Rivers Alliance’s Defend Rivers campaign on social media and helped develop a legislative agenda for 2015.

2013-2014 **Interim Dean and Program Chair, Education Corporation of America (Virginia College, Ecotech Institute, Golf Academy of America, New England College of Business; 30+ campuses and online programs nationwide)**
 As Corporate Dean of General Studies and Program Chair for Business, Networking, and Ecotech I was responsible for all aspects of curriculum development, program planning, and leadership, including the development of three new Business diploma programs and a revision/update of all Networking programs.

2013-2014 **Adjunct Instructor, UAB MPA Program**
 Taught MPA 605 Managing Information

2010-2013 **Manager – Environmental Operations, Education Corporation of America**
 Managed the company’s overall approach to and programs in support of environmentally responsible operations. Helped launch Ecotech Institute (LEED Gold facility) in Denver, CO. Designed Clean Jobs Index (free online tool).

2009-2010 **Senior Applications Developer, SICS Consultants, LLC**
 Performed GIS-related development for Safe Schools and other projects in .Net, KML/KMZ, Javascript, and Python.

- 2008-2009** **Programmer Analyst, Bayside Business Solutions**
Designed and implemented VB.Net Workflow component of corporate software product "Cadence." Used Visual Build Professional to perform daily builds of Cadence and FactorSoft products. Performed VB6 code updates and maintenance to FactorSoft product.
- 2008** **Adjunct Instructor, ITT Technical Institute**
Taught "Economics and Change" and "State and Local Government" courses.
- 2006-2008** **Senior Consultant, Forté Incorporated**
Re-joined award-winning Microsoft Certified Gold Partner firm full-time to help launch major software project for large insurance industry client. Involved in major update to award-winning LifeTRAC(tm) software. Expertise in Visual FoxPro 9, VB.Net, ASP.Net, SQL Server 2005, RedGate SQL Server tools, and Visual Studio 2008 suite.
- 2004-2006** **GIS Technician II, Storm Water Management Authority, Inc. (SWMA)**
Developed portable .Net/GIS application for use by field inspectors. Co-developed ASP/ASP.Net web version of Windows Source-Loading and Management Modeling software (SLAMM). Designed custom project management software for use by staff. Technical liaison between GIS, Engineering, Education, and IT departments. Solutions developer for various ESRI/Arc Suite projects. Assisted educational department with Flash-based educational tools.
- 2000-2004** **Associate/Senior Consultant, Forté Incorporated**
Won the contract for, and co-developed, the original TraumaNet™ (now LifeTrac™) decision-support software for the Birmingham Regional EMS System (BREMSS). The American Surgeon (Feb. 2002) documented lower mortality and, among the most severely injured patients, shorter lengths of hospital stay and lower costs after implementation of the trauma system; q.v. Healthcare Informatics (Feb. 2003).
- 1991-2000** **Founder/President, Crider MicroDesigns/Sustainable Systems, Inc.**
Designed, implemented, and maintained DBMS applications for clients in diverse areas including environmental protection, forestry, emergency medical services, and worker compensation/employee background investigations. Computer-related consulting and troubleshooting for clients ranging from individuals to universities. Lectured to various business and professional organizations on topics ranging from desktop publishing to environmental issues. Success stories included our Magic City BBS, which offered the first online edition of a daily newspaper (the Birmingham Post-Herald) in the state.
- 1991-1992** **Adjunct Instructor, UAB MPA Program**
Taught "Introduction to Microcomputers" and "Managing Information" courses.
- 1989-1991** **Program Specialist II, UAB Spain Rehabilitation Center**
As Program Specialist for several large federal injury prevention grants, researched information via MedLine; developed database software; designed charts, graphs, and freehand illustrations; performed technical and creative writing; and assisted in the development of public injury prevention education materials such as PSAs and a teacher resource guide with lesson plans and activities.
- 1986-1989** **Executive Director, Alabama Environmental Council**
As Executive Director of the state's oldest private, nonprofit environmental education organization, designed and directed a series of informational milk carton side panels dealing with the importance of wildlife to Alabama and the South. The initial "Barber Dairies Southern Wildlife Series" was so successful that Barber Dairies commissioned a follow-up series, the "Southern Ecology Series." Designed and created supporting educational materials, including a Teacher's Guide and the script for the award-winning "Southern Ecology" video.

Selected Honors

- Phi Kappa Phi (honor society that draws its members from all academic disciplines)
- Mortar Board (national honor society which recognizes college seniors for distinguished ability and achievement in scholarship, leadership, and service)
- Computer-Based Honors Program, 1983-1986
- Presidential Scholar, 1982-1986
- Phi Eta Sigma (oldest and largest freshman honor society)
- Alpha Lambda Delta (national honor society for first-year students)

Selected Awards

- Winner of Planet Ark's World Environment News 'Letter to the Editor' Competition, Nov. 2011
- Recognition for Outstanding Professional Assistance to the Alabama Wildlife Center, 1996
- Bob and Mary Burks Award for Outstanding Service by a Board Member (AEC)
- Outstanding Service to New College Award, 1986
- Outstanding Sophomore Scholar, 1983-1984

Selected Professional Affiliations and Certifications

- Board member, U.S. Green Building Council (USGBC), Alabama Market Leadership Advisory Board (2014-17; Secretary 2016-17)
- Green Classroom Professional, Dec. 2011
- Leadership in Energy and Environmental Design Accredited Professional, Neighborhood Development (LEED AP ND), June 2011
- Professional Certificate in Campus Sustainability Leadership, University of Vermont, July 2010
- Microsoft Certified Solution Developer (MCSD)
- Microsoft Certified Professional (MCP) – Analyzing Requirements and Defining Solution Architectures (Series 070-100)
- Microsoft Certified Professional (MCP) – Designing and Implementing Desktop Applications with Microsoft® Visual FoxPro® 6.0 (Series 070-156)
- Microsoft Certified Professional (MCP) – Designing and Implementing Distributed Applications with Microsoft® Visual Basic® 6.0 (Series 070-175)
- Microsoft Certified Professional (MCP) – Designing and Implementing Desktop Applications with Microsoft® Visual Basic® 6.0 (Series 070-176)

Jefferson County Personnel Board Certified Lists (2006)

- Database Administrator
- Environmental Biologist
- GIS Technician II
- Records Management Team Leader

Selected Personal Publications/Presentations

- Speaker, 12th Annual Southern BioProducts and Renewable Energy Conference, September 17-18, 2013, Tunica, MS
- Experience Pros Radio Interview, Ecotech Institute & Green Building Trends, Denver, Mar. 2012
- Ecotech Institute/Ecotext regular blogger, 2011 - 2014
- Sustainable Industries/Triple Pundit regular blogger, 2012 - 2016
- Green Register weekly blogger, 2011 – 2013
- Winner of Planet Ark's World Environment News 'Letter to the Editor' Competition, Nov. 2011
- Microsoft Hohm™ regular blogger, 2010
- URISA, An Erosion Control and Sedimentation Solution for Field Inspectors Utilizing ArcPad and Handheld Computers, 2005
- Graphics and Design Assistance, Dyson Leadership Institute *Professionalism Under Stress* (Dunn and Dyson) and *Patriotism In Action* (Dyson and Dunn), 2000s
- Author, "Spaceship Earth" series of articles in Flicker Magazine for children, 1990s
- Author and Artist, Alabama Conservancy/Barber Dairies Southern Wildlife Series and Southern Ecology Series. Wrote teachers' activity guide and script for the award-winning Southern Ecology video
- Graphics and Design Assistance, Alabama Environmental Council Landowners: Don't Miss Out booklet to educate private forest landowners on multiple sustained use and conservation options
- Author, artist, and staff member, *New College Review* magazine, 1982-1986

Selected Research

- (Ph.D.) "Incorporating Occupational Risk in Heat Stress Vulnerability Mapping" (with Elizabeth H. Maples, MPH, PhD and Julia M. Gohlke, MS, PhD; published in the July/August 2014 issue of the *Journal of Environmental Health*)
- (Masters) "Effects of Various Demographic and Political Variables on Recycling Rates"
- (Undergraduate) "A Plant Toxin Bioassay of Mountain Mint and Dogwood Before and After Physical Leaf Damage"