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## **EDUCATION**

Kansas State University  
Manhattan, Kansas  
Graduated: May 1992  
Bachelor of Landscape Architecture  
Regional and Community Planning Certificate

Iowa State University  
Ames, Iowa  
Graduated: May 1995  
Master of Landscape Architecture

## **TEACHING EXPERIENCE**

Iowa State University  
Adjunct Assistant Professor: Department of Landscape Architecture  
2002-Present

Fall 2009

Iowa State University  
LA 478K  
Responsibilities

Co-taught a course with several Landscape Architecture faculty. I was responsible for the modules based on Adobe Photoshop and 3D Studio Max.

Summer 2004

Iowa State University  
CRP 451/551  
Responsibilities

Co-taught the course with Chris Seeger. I was responsible for the introductory materials at it related to GIS systems and preparing the first three labs in the sequence.  
Software: ArcGIS 9

Summer 1995 to Summer 1998

Iowa State University

Design Studies 201 Introduction to Computer Graphics

Responsibilities: Teaching an introductory computer class in the College of Design. This class focuses on the many different software packages that College of Design students will use in their classes. This ranges from an introduction to Network applications like Email and the World Wide Web, to Desktop publishing on the Macintosh, to Computer Aided Design on DOS based machines.

Software: Photoshop, Illustrator, PageMaker, AutoCAD, 3D Studio, Infini-D

Fall 1993 and Fall 1995

Iowa State University

Landscape Architecture 411/511 Computer Graphics in Landscape Architecture

Responsibilities: Teaching a mid-level computer course with an emphasis on computer graphics for landscape architecture students. This class focuses on honing their computer skills while giving them the chance to explore the possibilities and limitations of using a computer for design work.

Software: Microsoft Excel, Landcadd, AutoCAD, Deluxe Paint

1992-1993

Iowa State University

Graduate Assistant in the Design College DOS lab

Responsibilities: Working ten hours per week instructing a beginning level computer class in a lab setting.

Software: AutoCAD, Landcadd, 3D-Studio, Deluxe Paint

## **WORK EXPERIENCE**

1996 to Present

Iowa State University

Information Technology Officer

Responsibilities:

- Managing the College's information technology initiative which includes; four public computer labs as well as faculty computers and administrative office computers (approximately 400 individual machines). In addition, I oversee the college's laptop lease program which consists of 460 laptops.
- Responsibility for the College Output Center which includes color printing, wide format printing, 3D printing, laser cutting, scanning and equipment checkout.
- Maintaining the College's server network (a mix of Unix, Windows and Apple Macintosh machines)
- Trouble-shooting and technical advice for the students, faculty and staff in the college.
- Creating and maintaining web based initiatives to promote the college's teaching and research activities.
- Supervising the expenditures of college Computer Advisory Committee (CAC) monies (\$210,000/ year)
- Writing grants to support college initiatives not covered by CAC funds
- Supervisory responsibility for the IT group in the College of Design. Three FTE Professional and Scientific administrative positions and 12-15 work study monitors for the public labs and output center.
- Supervisory responsibility for the College of Design Communications group. Two FTE professional and scientific positions. The communications group is responsible for all collegiate publications and communications including print material and web related resources.
- Supervisory responsibility for the College Visual Resources collection (VRC). One FTE professional and scientific position, one graduate student and 5-6 part-time student workers. The VRC is responsible for the college's 180,000 item slide collection as well as the over 200,000 digital records and images contained in our on-line image database.
- Supervisory responsibility for the College of Design Model Shop. One FTE professional and scientific position and 5-6 part-time student workers. The college model shop is the open shop for the college of design that contains traditional shop tools as well as newer computer controlled tools.
- Building Manager. Responsible for liaising with Facilities and Management on building projects and remodeling in the College of Design. Over the past 3 years this has included a 7 million dollar addition and numerous remodeling projects within the college.

1992-1995

Iowa State University

Research Assistant for Paul Anderson

Responsibilities: Supervision of the digitization process for a Department of Natural Resources Project involving the mapping of original vegetation in Iowa.

1994-1995

Ames, Iowa

Contract Landscape Architect

Responsibilities: Helped draft and plan a large scale historic preservation plan for Land and Community Associates. Took historical information and presented multiple maps showing change over time. AutoCAD was used as the mapping program.

## **HONORS**

Phi Kappa Phi 1996

American Society of Landscape Architects Certificate of Merit 1994

Gamma Sigma Delta 1994

## **PUBLICATIONS AND PROJECTS**

Principal Investigator, Hometown Perry Iowa Web Project (October 2003-2007). This project is intended to provide a web presence for HPI. It will incorporate portions of previous projects and help tie community information to their site.

Co-Principal Investigator, Hometown Perry Iowa Mapping/Database Project (2000-2006). This multi-year project is intended to help the Hometown Perry museum staff organize and display the information they have collected about life in Perry from 1800 on. This will take the form of an interactive WWW site using maps to display historical information. (June 2000 to Summer 2001) as well site that helps them organize and search their multiple forms of information.

Principal Investigator, Heart of Iowa Regional Transit Authority (HIRTA) On-Line Reporting System. This project helps the 13 providers under HIRTA's umbrella keep their transit information on-line with an easy to use, web-based interface. This information is then reported directly to the HIRTA offices where it can be formatted for IDOT reports. (October 2000 to June 2001)

Principal Investigator. IOWAccess Project 6-On-line Housing for Iowans. \$100,000 grant to provide web-based access to housing resources across the state. (July 1997-October 1998).

Michael C. Miller. 1996. An Analysis of Historic Vegetation Patterns in Iowa Using Government Land Office Surveys and a Geographic Information System. Iowa State University Masters Thesis. Iowa State University. Ames, IA.

## **PAPERS/CONFERENCES**

Anderson, Paul F. and Michael C. Miller. 1995. GIS Research to Digitize Maps of Iowa 1832-1859 Vegetation from Government Land Office Plat Maps. International Association of Landscape Ecology Annual Symposium, Minneapolis, Minnesota.

Pamela Jenkins, Steven Ybarolla, Keith Yanner, and Michael Miller. 2002. The Immigrant experience in Perry, Iowa. International Oral History Conference, San Diego, California

Panel Participant. June 2003. Laptop programs in Higher Education Design Programs. Apple Education Seminar. Cranbrook Academy, Bloomfield Hills, Michigan.

## **UNIVERSITY AND COMMUNITY SERVICE**

Ibadan, Nigeria. Gave a training seminar for University of Ibadan professors and graduate students on implementation and use of Geographic Information Systems. Summer 1995

Member Design College Computer Task Force 1996

Member College Computation Advisory Committee (1993-1994, 1996-present)

Member University Computation Advisory Committee (1994)

Chairman, Polk City Parks Commission (1998-2000)

Member University Desktop Standards Committee (2000-Present)

Member of College of Design Cabinet (2002-present)

Member of College of Design Executive Cabinet (2002-present)

Member of College of Design Dean's administrative team (2002-present)

College Phi Kappa Phi representative (2003-2006)

Elected representative to the Professional and Scientific Council (2004-2007, 2010-present)

Chair of the Council of IT Administrators Across Campus (CITAC) (2004-present)

Member of the university IT policy committee (2005-present)

Member of the university Information Technology Leadership Council (2006-present)

Building liaison for College of Design King Pavilion building project (2008-2009)