

# William F. Mellman, GISP

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## SKILLS

### **Experience with the following GIS and Remote Sensing tools:**

- ArcGIS 8.x – 10.5 including ArcGIS Spatial Analyst and Network Analyst
- Geoprocessing with Python and Esri Model Builder
- ENVI 3.5, 4.2
- Idrisi - Andes
- Google Maps API (via Javascript)

### **Experience with the following languages, operating systems, and software systems:**

- Python, VBA, VB.NET, HTML5, CSS, Javascript, Perl, C, C++, ksh/bash
- Windows 3.1 through Windows 10
- Android/iPhone App development via Cordova
- Access 2007, SQL

## EMPLOYMENT HISTORY

### **Program Manager**

Clermont County Office of Environmental Quality, Batavia, Ohio  
Clermont County Storm Water, Batavia, Ohio  
6/08 – to current

Responsibilities include GPS field work and GIS work using Esri ArcMap and Esri for Server (SDE), with versioned data to fulfill system map requirement for EPA NPDES permit. GIS database design, development, and support including GIS development in VBA, VB.NET, and Python. GPS database design and development using Esri ArcPad. Water quality data management, development, and support including Access 2007 based water quality database (EDAS) modification and enhancement. SWPPP development for county wastewater treatment plants.

### **Adjunct Instructor**

Computer Science Department, Xavier University, Cincinnati, Ohio  
2014 Fall and 2017 Spring semesters

Responsibilities include organization and instruction of “Python programming for GIS” course for upper level undergraduates.

### **Adjunct Instructor**

Civil Engineering Technology Department, Cincinnati State Technical College, Cincinnati, Ohio  
2007, 2009, & 2011 winter terms (Feb-April)

Responsibilities included organization and instruction of “Introduction to GIS” course for Surveying Majors.

### **Adjunct Instructor**

Geography Department, University of Cincinnati, Cincinnati, Ohio  
1/07 to 3/07

Responsibilities included organization and instruction of “Intermediate Remote Sensing” course for upper level undergraduates and graduate students.

**Adjunct Instructor**

Mathematics and Computer Science Department, Xavier University, Cincinnati, Ohio  
1/01 to 5/01

Responsibilities include organization and instruction of "Computer Networks" course for upper level undergraduates.

**Senior Systems Engineer**

University Libraries, University of Cincinnati, Cincinnati, Ohio  
1999 to 2000

Conducted and supervised Y2K planning, preparation, and testing. Installed new Linux web and proxy servers for remote authentication and integration into card catalog system. Began training staff in Unix system administration. Instituted joint IT department, round-robin training and knowledge sharing program. Managed computing staff for on-line card catalog, web facilities, and internal computing resources.

**Consultant**

Andersen Consulting, Cincinnati, Ohio  
1997 to 1999

Responsibilities included SAP Basis administration as well as SAP Batch and Interface Architecture and Maestro administration. Also responsible for BaaN system administration (BaaN Tools).

Implemented SAP batch control via Maestro and other Tivoli systems tools and extensive Unix Korn shell scripting. Designed Interface Architecture upgrade. Performed SAP Basis work including SAP 4.0b installation on Oracle 7.3.2 database. Performed BaaN IVb and BaaN IVc installations, Oracle 7.3.2 database installation, BaaN company creation, and other system administration functions.

**LAN Lab Coordinator**

University Computing Services, Indiana University, Bloomington, Indiana  
1996 to 1997

Responsibilities included overseeing LAN testing and administrative support facility. Provided technical assistance for all versions of Novell Netware (3.11 - Intranetware), and NT server 3.51 and 4.0. Evaluated new hardware, client and server software, and new operating systems.

**Macintosh Facilities Coordinator**

University Computing Services, Indiana University, Bloomington, Indiana  
1993 to 1996

**Computer Facilities Specialist**

Halls of Residence, Indiana University, Bloomington, Indiana  
1990 to 1993

**EDUCATION**

Completed course work for MS in Geography (GIS track)  
University of Cincinnati

**GIS Certificate**

University of Cincinnati

**Bachelor of Science Degree - May 1990**

University of Wisconsin - La Crosse  
Major: Computer Science  
Minor: Mathematics