

JEANETTE L. MCBRIDE  
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**OBJECTIVE:**

Pursuing opportunities for spatial data management and analysis, including GIS programming. The optimal position will be with an organization where I can continue to work with new GIS applications, particularly open source software, as they become available.

**WORK EXPERIENCE**

**The Morton Arboretum**  
Lisle, Illinois

2002-present

GIS Specialist/Research Assistant

Create and design maps based on notes from the Public Land Survey using ArcInfo. Digitize features and compile attribute data. Analyze distribution of vegetation types and woody species relative to landscape features including elevation using ArcView and Spatial Analyst. Download and maintain library of digital files including aerial photos, digital raster graphics, and elevation models. Create tables and queries in Access to use as attribute data for shapefiles. Create forms and subforms in Access including queries and coding for event procedures. Use data from plant records database to create maps of the arboretum's plant specimens. Import CAD drawings to use as additional layers with collections datasets. Instruct staff members in the creating, editing, and displaying GIS datasets and in use of GPS unit. Write Visual Basic code with ArcObjects to automate tasks in ArcMap. Use a Trimble GPS unit and Pathfinder Office software to collect field locations, complete differential correction, and convert to shapefiles. Process historical property descriptions and aerial photos for use with current GIS datasets. Use html, php and javascript code to create and maintain interactive web map of collections specimens.

**The Morton Arboretum**  
Lisle, Illinois

1992 - 2002

Research Assistant

Propagate endangered plants and assist in restoration and monitoring. Program in Visual Basic to create macros for use in custom Excel applications. Prepare forms in Microsoft Access for collection and analysis of field data. Proofread manuscripts submitted for publication in scientific journals.

**Yellowstone National Park**  
Yellowstone National Park, WY

June – Sept. 2001; Jan.-Feb. 2002

Cartographic Technician

Create documents using HelpWorkshop to be used in conjunction with ArcView themes. Provide GIS support as needed for researchers working in the park. Collect site locations using GPS rover files, perform differential correction, and incorporate data into GIS coverages or shapefiles. Use database files to define features and link attribute information between GIS and other software types, particularly Microsoft Access. (Seasonal position.)

**Juneau Pioneers' Home**  
Juneau, AK

August 1988 - May 1990

Clerk Typist  
Accounting Clerk  
Supply Technician

**Village of Villa Park**  
Villa Park, IL

Dec. 1986 – May 1987

Secretary to Risk Manager

## **EDUCATION**

Bachelor of Arts in Humanities, 1985  
University of California  
Berkeley, California  
GPA: 3.51 out of 4.00  
Exchange student at Georg-August University in Gottingen, West-Germany.

Currently enrolled in Lund University's LUMA-GIS Masters program (internet-based)

## **JOB-RELATED TRAINING COURSES:**

GIS and Remote Sensing for Wildlife Managers, Smithsonian Institution Conservation and Research Center: Included hands-on experience with GPS, ERDAS Imagine, and ArcView Spatial Analyst; 2000

Migrating to ArcGIS, ESRI workshop; July 2002

Programming in Visual Basic 6.0, Fall 2002

ArcView 8 Extensions Workshop, Northwest Environmental Training Center, Sept. 2003

Practical Remote Sensing Methods for Conservation Biologists, Southwestern Research Station of the American Museum of Natural History, March 2005

Introduction to GIS. Lund University GIS Centre, Sweden. (part of the LUMA-GIS Internet-Based Masters in Geographical Information Systems Program). Fall 2006

Advanced GIS. Lund University GIS Centre, Sweden. Winter 2007

Applied Geographical Data Structuring, Lund University GIS Centre, Sweden, Fall 2007

Internet GIS, Lund University GIS Centre, Sweden, Winter 2008

GIS and Biodiversity, Lund University GIS Centre, Sweden, Spring 2008

GIS Remote Sensing, Lund University GIS Centre, Sweden, Fall 2008

GIS for Environmental Planning, Lund University GIS Centre, Sweden, Spring 2009

GIS and Algorithms, Lund University GIS Centre, Sweden, Summer 2009

## **JOB-RELATED SKILLS:**

ESRI GIS products (PC ArcInfo 4.0, Workstation ArcInfo, ArcView 3.2, ArcGIS 9.2, Spatial Analyst 3.2 and 9.2, 3D Analyst 3.2 and 9.2), GPS (Trimble GeoXH, Trimble TCS-1 Data Logger, Garmin 12XL, Pathfinder Office, Waypoint+), Visual Basic, php, HTML, CSS, JavaScript, Avenue, Mapserver, GRASS, Microsoft Access, Microsoft Excel, Microsoft Powerpoint

## SUPPLEMENTAL INFORMATION

### PUBLICATIONS:

Vegetation pattern of DuPage and Will counties at the time of European settlement. Proceedings of the 12<sup>th</sup> Northern Illinois Prairie Workshop. 2001. Glen Ellyn, IL.

Landscape vegetation pattern, composition and structure of DuPage County, Illinois, as recorded by the U.S. Public Land Survey (1821-1840). Report to the Forest Preserve District of DuPage County. 1999.

Using historic survey data in conservation GIS. 2004 ESRI International User Conference. San Diego, CA.

Pre-European Settlement Vegetation of the Chicago Area. Interactive map at: [www.greenmapping.org](http://www.greenmapping.org)  
Choose from “featured views”.

Searching the Public Land Survey for Illinois Natural History.  
[www.greenmapping.org/orgs/2/report/general](http://www.greenmapping.org/orgs/2/report/general)