

# Dorn Moore

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## EXECUTIVE SUMMARY:

As a dedicated geospatial data science professional with 20 years of experience, I excel in technical project leadership and am driven to find practical solutions to complex research challenges. With a strong background in GIS and web mapping, I have successfully managed and maintained critical research databases, created custom visualizations, and developed data engineering solutions using R, Python, and ArcGIS. My expertise in diverse software and system tools, combined with my passion for continuous learning, enables me to contribute to projects effectively.

## EDUCATION:

M.S. GIS and Web Mapping – *University Of Wisconsin, Madison, WI* –2018

M.A Geography and Regional Development – *The University of Arizona, Tucson, AZ*– 1998

B.A. Anthropology & Spanish – *Beloit College, Beloit, WI* – 1993

## PROFESSIONAL EXPERIENCE:

### **International Crane Foundation, April 2013 – Present**

*GIS & Information Services Manager*

- Provide guidance and strategy for the use of geospatial tools across the organization
- Manage and maintain several critical research databases (PostgreSQL with PostGIS)
- Custom visualizations and research data management using R, Python, and ArcGIS Pro.
- Manage and maintain Azure Cloud infrastructure for research and business data.
- Write and maintain production quality code for online visualization, data engineering, and workflow pipelines.
- Responsible for managing the organizational use of technology, including the contract relationship with outsourced helpdesk services.

### **Green Space GIS, 2008 – 2018**

*Owner/Principal*

- GIS and Cartography consultant providing training, data management and visualization solutions for a variety of clients

### **The Baldwin Group, October 2006 – September 2009**

*Spatial Analyst on contract to NOAA Coastal Services Center*

- Support the human dimensions program with the initial concept and design of easy-to-understand geospatial products for coastal land managers
- Provide training and support for conservation partners in the use of geospatial tools
- Project Manager for broad-scale, multi-partner efforts

### **International Crane Foundation, March 1999 – October 2006**

*GIS and Remote Sensing Analyst*

- Develop and maintain several large research databases
- Spatial analysis support for projects in North America and China
- Development of a 40-year land cover delineation and change analysis of the Zambezi Delta

## **PUBLICATIONS:**

- Moore, D., Lacy, A. Hutchins, M. and Parr, M. 2017. *Whooping Crane Migration Stopover Habitat Assessment Tool for Wind Energy and Power Line Development*. Baraboo, WI and Washington, DC: International Crane Foundation and American BirdConservancy.
- Barzen et. al. "High nest density of Sandhill Cranes in central Wisconsin." *Proceedings of the North American Crane Workshop*. Vol. 13, 2016, pp. 13-24
- Lacy et. al. "Changes in the number and distribution of Greater Sandhill Cranes in the Eastern Population." *Journal of Field Ornithology*. Vol. 86, No. 4, 2015, pp. 217-325.
- Tran et.al. "Persistent organic pollutants in wetlands of the Mekong Basin: U.S. Geological Survey Scientific Investigations" Report 2013–5196, 140 p., <http://dx.doi.org/10.3133/sir20135196>
- Tran, et.al. "Wartime herbicides in the Mekong Delta and their implications for post-war wetland conservation." In *Ecological Destruction, Health, and Development: Advancing Asian Paradigms*. Publisher: Kyoto University Press and Trans Pacific Press Editors: Furukawa, H, M. Nishibuchi, Y. Kono & Y. Kaida

## **TECHNICAL TRAINING:**

- Geospatial Web and Mobile Programming, University of Wisconsin
- Geospatial Database Design and Development, University of Wisconsin
- GIS and Spatial Analysis, University of Wisconsin
- Introduction to Geocomputing (Python), University of Wisconsin
- Introduction to ESRI GeoDatabases, SCGIS
- Advanced CommunityViz Applications, NOAA
- Coastal Inundation Mapping, NOAA
- GIS Tools for Strategic Conservation Planning, NOAA
- Team Processes and Facilitation, NOAA
- Coastal Applications for ArcGIS, NOAA

## **SOFTWARE AND SYSTEM EXPERTISE:**

- Adobe Illustrator & Photoshop
- Avenza MAPublisher and Geographic Imager
- Azure Cloud Services – Web Apps and PostgreSQL Database administration
- ESRI ArcGIS Suite of GIS software tools including ArcGIS Online
- Full Stack web application development with Node.JS, JavaScript, and database integration
- PostgreSQL database administration (with PostGIS)
- Python programming language

## **PROFESSIONAL AFFILIATIONS:**

- Society for Conservation GIS (SCGIS)
- North American Cartographic Information Society (NACIS)