

# Jonah M. Duckles

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## PROFILE

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Senior Information Analyst with key strengths in:

- GIS & Geospatial analysis
- Satellite imagery analysis and interpretation
- Data visualization
- Statistical analysis
- Long-term planning
- Business development
- IT planning and deployment

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## HISTORY

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### **Lanworth**

Itasca, IL

*Senior Analyst*

*Apr. 2008 to Present*

- Full responsibility for developing new procedures and analysis techniques to track and monitor the planting activity and conditions of global agricultural commodities.
- Created proprietary satellite imagery analysis algorithms for mapping and monitoring acreage and crop condition.
- Developed data-collection protocols, training material and analysis procedures for collecting observations related to agricultural plantings.
- Key analyst on the team responsible for delivering accurate estimates of United States Corn, Soy and Wheat production in advance of major government reporting agencies.

### **Purdue University, Forestry and Natural Resources**

West Lafayette, IN

*Graduate Research Assistant*

*Aug. 2005 to Apr. 2008*

- Developed an ecological modeling framework driven by stakeholder input to spatially map future land use policy changes, and their associated environmental impacts.
- Wrote software to couple land use changes to ecological response models creating a decision support system capable of quantifying specific ecological implications of projected land use changes under varied policy scenarios.
- Generally developed strong analytic skills through research and coursework from the domains of: landscape ecology, advanced GIS, remote sensing, ecological modeling, statistics, exploratory data analysis and programming.

### **International Technology Strategy Partners**

Lafayette, IN

*Owner/Partner*

*Nov. 2002 to Dec. 2007*

- Launched ITSP as a consulting partnership with the goal of aiding organizations to cultivate pervasive cultures of strategic technology planning.
- Facilitated long-term planning workshops for complex technology projects using the techniques of Technology Roadmapping (TRM).
- Delivered a customized suite of strategic planning services for assisting organizations to thrive in constantly changing technology environments.

**Purdue University, Office of the VP for IT**  
*Technology Analyst*

West Lafayette, IN  
Jul. 2004 to Aug. 2005

- Working directly for the Vice President, created and organized the implementation of a data dashboard to gather and communicate data-driven reports for monitoring university-wide IT operations.
- Managed and organized teams of researchers and IT professionals in the pursuit of grant opportunities.
- Aided groups with creating and communicating the timelines of their technology projects to diverse audiences.
- Project oversight on behalf of the VP for special projects.

**Purdue University, Center for Technology Roadmapping**  
*Center Coordinator*

West Lafayette, IN  
May 2001 to Dec. 2006

- Cultivated industrial partnerships with staff at high-technology companies.
- Constantly composed and modified presentation material for industry talks and workshops.
- Created training material and delivered customized training workshops.
- Delivered roadmapping consulting services to partner organizations.
- Wrote and managed the pursuit of outside funding grants.
- Managed the IT assets for enterprise roadmapping software.

**Purdue University, Office of the Provost**  
*Roadmapping Consultant*

West Lafayette, IN  
Apr. 2003 to Aug. 2005

- Served as internal consultant to university deans, aiding academic schools with their long term planning and strategic needs.
- Facilitated strategic planning workshops.
- Consulted to university-wide sponsored research proposal teams to aid with long-term planning and strategy needs.

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**EDUCATION**

**M.S., Forestry and Natural Resources**

PURDUE UNIVERSITY, West Lafayette, Indiana. May 2008.

**Thesis:** "Impacts of Land Use Change on Runoff in the Muskegon River Watershed of Michigan"

**B.S. Physics,**

PURDUE UNIVERSITY, West Lafayette, Indiana. May 2001.

**Study Abroad:** THE UNIVERSITY OF NEW SOUTH WALES, Sydney, Australia. July 1999 to July 2000

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**TECHNCAL SKILLS**

**Administrator Knowledge**

Windows 2000/2003/XP  
Linux (Ubuntu, Debian)  
Mac OS X  
PostgreSQL / MS-SQL/ MySQL/  
/ MS-Access  
Apache/IIS

**Major Software**

Microsoft Office  
ArcGIS/SDE/Server  
Erdas Imagine/ENVI  
GRASS/PostGIS  
R  
LaTeX

**Programming /  
Scripting**

Python  
BASH  
C/C++  
Visual Basic  
CSS/HTML  
PHP