

# Andrea L Spray

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## OBJECTIVE

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Seeking employment beginning May 2011 as a researcher in the area of nutrition and child survival.

## EDUCATION

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Washington University in St Louis

Masters of Public Health Spring 2011

*Relevant Coursework:* Biostatistics; Epidemiology; Research Methods; Health Behavior and Health Education; Program Planning, Implementation and Evaluation; Environmental Health, Health Administration and Policy;

*Topics Covered:* Evidence-Based Public Health (EBPH), Global Health, Health Disparities, Transdisciplinary Problem Solving, Translating Science to Practice and Policy, Ethics;

Indiana University, Bloomington IN

Bachelor of Arts Art History 2000

Bachelor of Arts Studio Art (Digital Media) 2000

Minor Computer Science 2000

## RESEARCH EXPERIENCE

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**Helen Keller International (HKI), Nigeria**

Summer Intern (May 2010 – August 2010)

- Designed, implemented and conducted data analysis on research to explore the factors contributing to low coverage for vitamin A supplementation (VAS) in hard-to-reach communities of Benue State, Nigeria.
- Trained 24 high-level health workers to be enumerators for surveys with household caretakers, community health workers, village leaders and health administrators in hard-to-reach communities.
- Monitored campaign planning and wrap-up meetings for vitamin A supplementation (VAS) in Borno State, Nigeria.
- Conducted literature review and wrote grant proposal for a school health program in Adamawa State, Nigeria.

**Health Communication Research Laboratory (HCRL), St Louis, MO**

Research Assistant (August, 2009 - present)

- Integrated usability heuristics with principles of health communication and graphic design towards the creation of a novel conceptual model to drive cancer data visualizations.
- Identified and interviewed community health advocates and journalists to elicit goals and challenges to be addressed by cancer data visualizations.
- Conducted usability reviews of and redesigned a web application that enables community health professionals to create customized health communications for underserved populations.
- Conducted project literature review and wrote portions of the project manuscript.

## PROFESSIONAL EXPERIENCE

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**Monsanto Company, St Louis, MO**

(2002 – 2009)

**Senior Usability Specialist (2006 – 2009)**

- Responsible for ensuring online web applications were user friendly for farmers, human rights specialists, scientists and employees around the world.
- Collaborated with multidisciplinary project teams to translate complex business processes into simple user interfaces through meeting facilitation, event planning, conducting qualitative research, presenting findings and negotiating changes.
- Led several efforts towards the institutionalization of usability in the organization.

**Team Lead** (2005 – 2006)

- Formed and managed of a team of designers and usability practitioners including hiring, project resourcing, and project management and budget management.

**Project Manager** (2004 – 2005)

- Managed numerous small to mid-size web application projects including meeting facilitation and budget management.

**Technical Analyst** (2003 – 2004)

- Worked with colleagues around the world to design, develop, manage and support numerous international websites including South Africa, Australia, UK, Canada and the US.

**Contract Web Designer/Developer** (2002 – 2003)

- Web Designer, Developer and Content Analyst for Monsanto.com, responsible for daily maintenance and annual updates.

**AMD, Anheuser-Busch, Boise Cascade Office Products, International Trucking, Minute Maid, Parker, Uni-Ball, St. Louis, MO****Independent Contractor** (2001 – 2003)

- Designed and developed graphics and web applications.

**RELATED CLASS PAPERS**

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- *“Ti Jardin to Alleviate Undernutrition in Haiti”*, (2010)
- *“Rapid Progression to AIDS Among African American MSM”*, (2010)
- *“Understanding Food Security in Sub Saharan Africa”*, (2010)
- *“Deforestation in Haiti”*, (2010)
- *“Access to Health Care for Refugees in the United States“*, (2009)
- *“College Student Knowledge of Human Papillomavirus (HPV) and the HPV Vaccine”*, (2009)

**SKILLS**

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- **Language:** Beginning Arabic, Beginning French, Beginning Spanish
- **Computer:** SPSS, Microsoft Office (PowerPoint, Excel, Word), CSS, HTML, Photoshop

**OTHER PRESENTATIONS**

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- *“(The Little) Tour d’Usability”*, (2008 Indiana University Multimedia User Group (IUMUG) Invited Talk)
- *“Unknown Unknowns & Emerging Unknowns: How to Design Innovative Solutions to Problems You Didn’t know You Had?”*, (2007 UPA conference)
- *“A More Comfortable Union: Where Usability Meets Design”*, (2006 STLUX conference)
- Guest Lecturer at Washington University in St Louis (2005 – present)

**CONTINUING EDUCATION & ACTIVITIES**

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- President/Chair: St Louis GatewayCHI (2007/2008)
- Certified Usability Analyst, Human Factors International (2007)