

Andrea L Spray

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EDUCATION

Washington University in St Louis

Masters of Public Health Spring 2011

Relevant Coursework: Biostatistics; Epidemiology; Research Methods; Health Behavior and Health Education; Cross-cutting Themes in Public Health;

Topics Covered: Evidence-Based Public Health (EBPH), Health Disparities, Transdisciplinary Science & Practice, 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

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

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 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

- “*Access to Health Care for Refugees in the United States*“, (2009)
- “*College Student Knowledge of Human Papillomavirus (HPV) and the HPV Vaccine*“, (2009)

SKILLS

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

OTHER PRESENTATIONS

- “*(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

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