

## Summary of Expertise

Six years of professional work experience  
Experienced Web Lead/Developer  
Passionate User Experience/Interaction Designer  
Dedicated User Researcher

## Recent Design Experience

**Kitchen Pad:** Developed a high-fidelity prototype of a concept meant to reduce clutter for the “Kitchen in 2020” theme; Performed ethnography & conducted contextual interviews; Conducted expert usability testing; Summarized findings in a final usability report.

**LightRoom:** Created an experience prototype for Children’s Museum Exhibit after doing user research, body storming of disabilities, concept development, sketching, prototyping, and testing.

**Pedo-Smartphone Application (PSA):** Conducted primary and secondary user research on the target audience; Developed concepts using sketches and proposed marketing strategies for an application design intended for simulating gaming experience using walking.

## Recent Information Architecture Experience

**FutureGrid Portal Re-design:** Performed exemplar research, conducted contextual interviews; created blueprint, sitemaps, and wireframes for the re-design of the portal.

**Kent State University – SLIS Website Redesign:** Conducted focus group; Performed user research for the dept. website; Created blueprint, sitemaps, and wireframes for the re-design; Summarized findings in a final information architecture strategy report.

**American Greetings Knowledge Organization System:** Created facets, pick-lists, synonym rings, and taxonomy for all kinds of greeting cards to enable organization of digitized images of all archives for easy browsing and searching by designers of greeting cards.

## Education

**Master of Science**, Dec 2011 (August 2009 - December 2011)  
Indiana University  
Concentration: *Human Computer Interaction – Design*

**Master of Science**, May 2008 (September 2005 – May 2008)  
Kent State University, Kent, Ohio  
Concentration: *Information Architecture*

**Bachelor of Engineering**, June 2003 (September 1998 – June 2003)  
University of Pune, India  
Concentration: *Computers*

## Design Skills

Affinity Diagrams  
Blueprints  
Body storming  
Card Sorting  
Contextual Interviews  
Concept Design  
Cultural Probes  
Diary Study  
Ethnography  
Flash Prototyping  
Heuristic Evaluation  
Prototyping  
Role Playing  
Sitemaps  
Sketching  
Storyboarding  
Surveys  
Usability Testing  
Wireframing

## Tools Used

Arduino software  
Axure RP Pro 5.6  
Dreamweaver  
Illustrator  
Fireworks  
MindManager  
MS Office  
MS Visio  
OmniGraffle  
Photoshop

## Professional Experience

### Web Lead/Developer (May 2007 – Present)

Pervasive Technology Institute, Indiana University, Bloomington, Indiana, USA

- Web Lead for several projects including FutureGrid, e-Humanity
- Developed an Audio/Video conferencing system called AVATS and a Web 2.0 portal for collaboration
- Created logos for the PolarGrid project
- Designed the user interface for a NASA project

### Information Architect/Web Developer (Jan 2006 – Feb 2007)

Sherwin-Williams Company, Cleveland, Ohio, USA

- Designed blueprint, sitemaps, wireframes, and CSS prototypes for the dept. intranet
- Developed use-cases, flow-diagrams, and taxonomy for the entire content in the divisional intranet
- Supported more than one hundred corporate intranet users on a regular monthly basis

### Database Architect (June 2004 – Aug 2004)

General Electric Power Controls, Lodz, Poland

- Designed a tool-tracker system using sketches, wireframes, sitemaps, flow-diagrams, and use-cases

### Assistant Network Engineer/Web Designer (July 2003 – May 2004)

Thales Electron Devices, New Delhi, India

- Maintained the local intranet and provided network support for Cisco routers and switches

### Undergraduate Project Trainee (July 2002 – June 2003)

- Designed & Developed a workflow automation and management system in Java using software engineering principles

## Publications/Research

### Research

- Pan, Y. Maini, S., & Blevis, E. "Framing the Issues of Cloud Computing & Sustainability: A Design Perspective" at CloudCom 2010
- Siddharth Maini, J. Rosen, M.E. Pierce, and G.C. Fox, "AVATS: Audio-Video and Textual Synchronization" at CTS 2009
- Marlon E. Pierce, Geoffrey C. Fox, Joshua Rosen, Siddharth Maini, and Jong Y. Choi, "Social Networking for Scientists Using Tagging and Shared Bookmarks: a Web 2.0 Application" at CTS 2008
- J. Choi, J. Rosen, S. Maini, M. Pierce, and G. Fox, "Collective Collaborative Tagging System" at Grid Computing Environments Workshop, 2008
- Siddharth Maini, "Critical Issues in Web Usability", Kent, Ohio, 2006
- Siddharth Maini, "A Survey Study on Reputation-based Trust Management in P2P Networks", Kent, Ohio, 2005

### Book Reviews

- Siddharth Maini, Mobile Database Systems, Vijay Kumar. Information Processing & Management, January 2008.
- Siddharth Maini, Breaking out of the Web Browser with Adobe Air, Labriola & Tapper, Amazon.com, May 2010.

## Technical Skills

Adobe Spry  
Adobe Flex  
Actionscript 3.0  
Drupal/Joomla  
HTML/CSS/JavaScript  
jQuery  
PHP / MySQL  
Oracle  
VRML/UML  
XML/XSL/XSLT

## Other Skills

Apache Web Server  
Data Triangulation  
Knowledge Management  
Qualitative Research  
Quantitative Research  
Section 508 Analyses  
Search Engine Opt.  
VMware Virtualization  
Windows Server 2008  
Windows/Linux/Mac

## Other Experience

Resident Assistant  
Event Coordinator  
Animal Shelter  
Volunteer