

Zachary Pousman
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Objective A seasoned and creative Information Architect, UI designer, and HCI researcher, I have over eight years of experience designing, developing, and evaluating advanced computer applications. I seek an industry position where I can continue working to understand users and their work practices in order to design effective, elegant, and usable systems. My research focus is in information visualization, collaboration tools, and media applications.

Relevant Experience **Freelance User Interface Designer / Information Architect**
Various Clients : 2002 – Present (2008)

With IQ Interactive (Atlanta, GA), performed UI design and IA for UPS, Universal theme park, and Holland America Lines. With Avenue A | Razorfish (Atlanta, GA), performed analysis and Information Architecture for large content sites and web applications for CibaVision and Cox Communication. With Genesis 10 (New York, NY), I served as a User Experience Design Lead at Citibank NA, I served as a Senior UI Designer to rebuild legacy banking systems as a custom web application. The new application brings coherent views of customer information and organizes system functions contextually.

Graduate Research Assistant / Graduate Teaching Assistant
Georgia Institute of Technology : August 2002 – Present (2008)

Designed and developed ambient information systems and information visualizations in the “Information Interfaces” and “Expressive AI” research groups. Planned and performed laboratory and longitudinal user evaluations of ambient information systems. Expertise in application design, and field (ethnographic) research techniques.

Program Manager Intern

Microsoft Corporation : May 2003 – August 2003

Scoped, prototyped, and developed a detailed specification for a new user interface and multimedia development toolkit for Windows Vista. The application will take advantage of new graphics processing and system architecture of the next generation of Windows Vista. My focus was on animation tools for text and sprites.

Assistant Director of Information Technology

Center for Behavioral Neuroscience : October 2001 – February 2003

Responsible for the technology initiatives of a NSF-funded Science and Technology Center with eight member universities and 65 research faculty members. Headed a comprehensive redesign of the CBN’s public website and intranet. Performed project management, hiring, various creative and technical design for educational and technology projects. Performed the requirements gathering, design, and deployment of a videoconferencing system for research collaboration and education initiatives over Internet2 connections.

User Experience Specialist

BigBad, Incorporated : August 2000 – September 2001

Founding member of BigBad’s user experience practice. Collaborated with designers and technologists to infuse the design and development process with information architecture, iterative usability testing, and laboratory evaluation. Applied skills on projects ranging from innovative marketing sites for dotcoms to intranets, extranets, and complete web applications for Fortune 500 companies. Client companies included Bose, Agilent, Thule Car Racks (USA), MIT Sloan School of Management.

Education **Georgia Institute of Technology**

Doctor of Philosophy : Human-Centered Computing, expected 2009

Research in ambient information systems, information visualization, and mobile technologies.

Advised by John Stasko.

Georgia Institute of Technology

Master of Science : Human-Computer Interaction (HCI), 2004

University of Chicago

Bachelor of Arts : Philosophy of Computer Science, *with honors*, 2000

Completed self-designed major that blended philosophy, formal logic, computer science, and cognitive science courses.

*Design and
Evaluation Skills*

User interface design
Persona- and scenario-based design
Functional requirements analysis
Low-fidelity and high-fidelity
prototyping
Modeling of task and work flows
Information architecture
Information Design, Icon design
Ethnographic interviewing techniques
Laboratory usability testing
Cognitive walkthroughs
Heuristic evaluation
Excellent verbal, visual, and written
communication skills

*Development
Skills*

Advanced HTML Development

HTML, CSS, DHTML, Photoshop,
Illustrator, Flash, Fireworks,
Dreamweaver, transactional development
with TurboGears (Python), MySQL,
ColdFusion

Application Development

VisualBasic,
Java 2 (including Swing UI toolkit),
Objective C, Python, iRise

CSCW Systems

High-bandwidth IP videoconferencing,
T.120 application sharing

Also familiar with: WML, XML/RDF,
VXML, Director (Lingo), Unix, Linux,
Apache, IP networking, Firewalls,
Content Management Integration, SQL,
C# (.net Framework)

Publications and references available upon request.