KEVIN MAKICE

4306 E. Tenth Street
Bloomington, Indiana / 47408

Phone: (812) 339-0556
Email kmakice@indiana.edu

SUMMARY

Strong analytical mind devoted past decade to Internet programming and publishing. Experienced in creating elegant solutions for both routine and mission critical problems. Thrives in solo projects, but prefers the dynamics of a team environment. Offers excellent communication skills and superb work ethic. Primary interests include online communities and complex design.

EDUCATION

School of Informatics, Indiana University, Bloomington, Indiana   *Since 2004*

Ph.D. candidate in Informatics

- ✓ Expected to graduate in May 2010

M.S. in Human-Centered Interaction Design

- ✓ Graduated in May 2006

DePauw University, Greencastle, Indiana   *1986-1990*

B.A. in Physics

- ✓ Graduated Cum Laude with department awards for Physics and Theatre

PUBLICATIONS & PAPERS

Aneja, S., Makice, K., Pangam, A., and Weldon, M. (2005). mPath: Facilitating human interaction. In *CHI '05 Extended Abstracts on Human Factors in Computing Systems* (Portland, OR, USA, April 02-07, 2005). CHI '05. ACM Press, New York, NY, 2055-2059.

Makice, K. (2006) PoliticWiki: Exploring Communal Politics. To appear in the *Proceedings of WikiSym 2006* in Odense, Denmark.

Ryan, W., Bardzell, J., Bardzell, S., Makice, K., Weldon, M., and Briggs, C. (2006), Pwned: A critical study of platform determinism in Machinima authoring. *The Machinima Reader*, Lowood, H., and Nitsche, M., ed., pending publication.

TECHNICAL SKILLS

- ✓ Transact-SQL, Microsoft SQL Server, MySQL
- ✓ Cold Fusion, PhP, Perl, ASP
- ✓ Photoshop, Flash, Fireworks, iMovie
- ✓ Javascript, HTML, CSS, SVG, XML
- ✓ NetLogo

AREAS OF INTEREST

Complex Design

Complexity is everywhere … biological systems, computer networks and societal interactions, to name a few. By applying concepts of complex systems and network science to human-computer interaction, a new, rich set of design tools can be generated. These techniques add to the exploration of a problem space, sparking insights that might not be apparent using traditional design methods.

Mutual Politics & Online Discussion

Politics in America is characterized by the labels we use to identify ideology. Discussion often faces obstacles to communication that include prior assumption about political opinions, inability to access information, and a general disconnection from the people with the power to make decisions. By applying Relational-Cultural Theory (RCT) to the interaction model, it becomes clear that online forums exhibit both structural and cultural disincentives to engage meaningfully with other discussants. The concept of *mutuality* – joining together in a kind of relationship in which all participants are engaged, empathic and growing – is used as a lens to view potential for design changes to online political forums. Several design concepts emerged: Integrated Discussion Channels; Federated Groups; Local Authorship; and Separation and Focus. Future work will develop this concept system to measure and increase the degree of mutuality within online conversation about political topics.

PoliticWiki

A six-month study, PoliticWiki, asked participants to use a wiki to collaborate on a new political platform. The findings identified content, structure and leadership as factors contributing to failed collaboration. Other related investigations included an agent-based model to simulate critical mass and sustainability of forums, and an *unconference* (self-organized learning spaces) conducted at a local event sponsored by the Council of Neighborhood Associations (CONA).

"PoliticWiki: Exploring Communal Politics" was accepted for publication by WikiSym 2006.

mPath: Facilitating Human Interaction

A concept for a data management service – *mPath* – is proposed to combat isolation among seniors. mPath works with administrators of assisted-living facilities to oversee an ad-hoc volunteer network. Interacting with residents, these volunteers assess social relationships and emotional reactions, quantifying for the computer their qualitative observations. The system examines accumulated data over time to reveal anomalies, highlight trends and anticipate future responses. Administrators may choose to act upon that information. The overall effect is to increase the social well being of seniors in an unobtrusive manner.

mPath won the 2005 Student Design Competition at CHI2005 in Portland, Oregon.

Other projects include:

- ✓ **Machinima as a Platform for Video Prototyping** – Appropriating games for design.
- ✓ **Use of Non-Human Actors in Video Prototypes** – A study to determine effectiveness of animation and toys in video prototypes.
- ✓ **Harnessing the Power of Gangs** – A design for at-risk peer-to-peer online community.
- ✓ **InnerChild** – A tangible interface to computer discovery games for children aged 3-5.

PROFESSIONAL EXPERIENCE

Senior Developer / TicketsNow.com (Illinois/Indiana)   *2000-2004*

- ✓ Guided company to the Internet in 1999 with inaugural web site launch
- ✓ Established dominant presence in the secondary event ticket market amounting to $31 million in annual sales and commissions
- ✓ Architected scalable and customizable search engine (EventInventory.com), delivering prototype in one month for system logging 260,000 orders annually
- ✓ Engineered and embraced sole responsibility for a dozen applications built using Cold Fusion, Transact SQL, XML, ASP, javascript and .NET technologies
- ✓ Designed ten databases supporting data import, content management and statistics
- ✓ Responsible for complex troubleshooting and optimization projects
- ✓ Created technical documentation for legacy systems

Web Services Coordinator / Kelley School of Business (Indiana)   *1999-2000*

- ✓ Designed web system serving as gateway to individual program sites, dynamically constructed using perl, Cold Fusion and Microsoft SQL server
- ✓ Researched, installed and maintained a web camera

Internet Programmer / Real World Creations (Illinois/Indiana)   *1996-2000*

- ✓ Provided advocacy and consulting to local businesses and organizations
- ✓ Launched dozens of virgin news and e-commerce publications
- ✓ Self-trained in HTML, perl and javascript

Art & Production Assistant / Xavier University (Louisiana)   *1994-1995*

- ✓ Designed graphic forms, covers and fliers for University clients using Adobe Pagemaker, Photoshop and Microsoft Word
- ✓ Selected to receive cutting-edge training in Xerox Docutech

HONORS & INTANGIBLES

- ✓ Won first place in the CHI2005 Student Design Competition *(mPath)*
- ✓ Currently a technical editor for the Journal of Computer-Mediated Communication
- ✓ Feature writer for newspapers and college journals
- ✓ Trained at DePaul University's Graduate School of Theatre in performance
- ✓ University Dean's List / Distinguished Rector Scholar
- ✓ Mortar Board / Sigma Pi Sigma / Alpha Lambda Delta / Phi Eta Sigma
- ✓ High School Valedictorian