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Biography

Jason I. Hong is a Computer Science doctoral student in the Group for User Interface Research (GUIR) at the University of California at Berkeley. His research interests lie at the intersection of Human-Computer Interaction and Systems, specifically in building and evaluating applications that utilize multimodal interaction, in constructing smart spaces that leverage context-aware computing, and in enhancing day-to-day information management activities.

Research Interests

The focus of my research lies at the intersection of Human-Computer Interaction and Systems. I am specifically interested in these areas:

- Context-aware computing
- Multimodal interaction
- Ubiquitous computing system infrastructures
- Sensemaking in a ubiquitous computing environment

With respect to applications, I am interested in the exploration and design of novel ways of supporting people in everyday activities. This comes with a strong emphasis on critical evaluation of such applications to gain a deeper insight as to the strengths and shortcomings of the technology, to see how it will potentially impact our lives for better or for worse. With respect to infrastructures, I am interested in developing the software frameworks and toolkits to greatly simplify the task of building these applications so that they are scalable, reliable, and extensible. The goal is to lower barriers to entry for designers and developers while simultaneously raising the ceiling to allow rich and diverse kinds of interactions to be built.

See www.cs.berkeley.edu/~jasonh/research for more information.

Recent Publications

Hong, J., and Landay, J. *An Infrastructure Approach to Context-Aware Computing*. Human-Computer Interaction, 2001, Vol. 16. (To appear)

Abowd, G.D., Atkeson, C.G., Hong, J., Long, S., Kooper, R., and Pinkerton, M.. *Cyberguide: A Mobile Context-Aware Tour Guide*. Baltzer/ACM Wireless Networks, Vol. 3. 1997.