Brian Y. Lim

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BIOGRAPHICAL SKETCH

Brian Lim is a third-year Ph.D. student in the Human-Computer Interaction Institute at Carnegie Mellon University. Though originally trained as a physicist (B.S. in Engineering Physics from Cornell University), he now studies computer systems and the people who use them. His research interest is in ubiquitous computing and context-aware computing, where users can employ systems that automatically know their contexts and environments. In particular, his research involves supporting *intelligibility* in context-aware applications, so that they provide effective explanations to users to improve their understanding and trust of the novel applications. This entails studying what information users want to know about context-aware applications, the benefits and issues of providing explanations to meet this need, and providing toolkit support to make their context-aware applications intelligible. He has done a summer internship at the Palo Alto Research Center (PARC), was a research officer in the Institute for Infocomm Research (I^{2}R), Singapore, and worked in the HCI Lab at Cornell University.

RESEARCH ADVISOR

Anind K. Dey.

EDUCATION

Aug 07 – *Dec 2011 (expected)*	**Ph.D. in Human-Computer Interaction** Human-Computer Interaction Institute, School of Computer Science Carnegie Mellon University, Pittsburgh, PA
Jan – May 08	**B.S. in Engineering Physics with Minor in Computer Science** Applied & Engineering Physics, College of Engineering Cornell University, Ithaca, NY Summa Cum Laude (GPA: 4.00)

SELECTED PROFESSIONAL EXPERIENCE

Jun – Sep 09	**Internship at Palo Alto Research Center (PARC)** Worked with Victoria Bellotti and Oliver Brdiczka on designing and running a user study to test the effectiveness of a content-based social awareness display.
Jul 06 – Jul 07	**Research Officer at the Institute for Infocomm Research (I^{2}R), A*STAR, Singapore** Worked with Daqing Zhang on developing a location-based service discovery framework.
Jun – Jul 06	**HCI Lab, Cornell University** Helped with the development of the first version of GroupMeter, a groupware application to share awareness within a non-collocated group.

PUBLICATIONS RELEVANT TO DISSERTATION

Peer reviewed conferences

[C.8]   **Lim, B. Y.**, Dey, A. K. Toolkit to Support Intelligibility in Context-Aware Applications. *To appear in* Ubicomp '10.

[C.7]   **Lim, B. Y.**, Dey, A. K. Assessing Demand for Intelligibility in Context-Aware Applications. In Proceedings of the 11th international Conference on Ubiquitous Computing (Orlando, Florida, USA, September 30 - October 03, 2009). Ubicomp '09. ACM, New York, NY, 195-204. DOI= http://doi.acm.org/10.1145/1620545.1620576.

[C.6]   **Lim, B. Y.**, Dey, A. K., and Avrahami, D. 2009. Why and why not explanations improve the intelligibility of context-aware intelligent systems. In Proceedings of the 27th international Conference on Human Factors in Computing Systems (Boston, MA, USA, April 04 - 09, 2009). CHI '09. ACM, New York, NY, 2119-2128. DOI= http://doi.acm.org/10.1145/1518701.1519023