

THAD E. STARNER, Ph.D.

Assistant Professor of Computing
Georgia Institute of Technology

Expertise: Wearable/mobile computing interfaces and pattern recognition.

Educational Background

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|-------|------|------------------------------------|-----------------------------|
| B.S. | 1991 | MIT, Cambridge MA | Computer Science |
| B.S. | 1991 | MIT, Cambridge MA | Brain and Cognitive Science |
| M.S. | 1995 | MIT Media Laboratory, Cambridge MA | Media Arts and Sciences |
| Ph.D. | 1999 | MIT Media Laboratory, Cambridge MA | Media Arts and Sciences |

Professional Employment

Assistant Professor of Computing, Georgia Tech (Atlanta, GA), 1999-present
Visiting Professor, ECE, Swiss Federal Institute of Technology (ETH) (Zurich, Switzerland), 2002
Research Assistant, MIT Media Laboratory (Cambridge, MA), 1993-1999
Associate Scientist, Speech Systems Group, BBN (Cambridge, MA), 1992-1993

Selected Publications

K. Lyons, C. Skeels, T. Starner, C. Snoeck, B. Wong, D. Ashbrook. "Augmenting Conversations Using Dual-Purpose Speech." User Interface and Software Technology (UIST), Santa Fe, NM, November 2004. pp. 237-246

K. Lyons, T. Starner, D. Plaisted, J. Fusia, A. Lyons, A. Drew, and E. Looney. "Twiddler Typing: One-Handed Chording Text Entry for Mobile Phones." CHI, Vienna, Austria, 2004.

T. Starner and J. Paradiso, "Human Generated Power for Mobile Electronics." In Low Power Electronics Design, C. Piguet (editor), CRC Press, 2004.

D. Ashbrook and T. Starner, "Using GPS to Learn Significant Locations and Predict Movement Across Multiple Users", Personal and Ubiquitous Computing, Volume 7 (1), 2003.

T. Starner, B. Leibe, D. Minnen, T. Westeyn, A. Hurst, and J. Weeks, "Integration of Wireless Gesture Tracking, Object Tracking, and 3D Reconstruction in the Perceptive Workbench", In Machine Vision and Applications, Volume 14 (1), pp. 59-71, 2003. (Prior version **awarded best paper at VR2000**).

T. Starner, J. Weaver, and A. Pentland. "Real-Time American Sign Language Recognition Using Desk and Wearable Computer Based Video." IEEE Trans. PAMI 20(12), December 1998.

T. Starner, S. Mann, B. Rhodes, J. Levine, J. Healey, D. Kirsch, R. Picard, and A. Pentland, "Augmented Reality Through Wearable Computing", Presence, Volume 6 (4), pp. 386-398, 1997.

T, Starner, J. Makhoul, R. Schwartz, and G. Chou. "On-line Cursive Handwriting Recognition Using Speech Recognition Methods." IEEE ICASSP, pp. 125-128, April 1994.

A. Pentland, T. Starner, N. Etkoff, A. Masoiu, O. Oliyide, and M. Turk, "Experiments with Eigenfaces." Looking At People Workshop, IJCAI'93, France, August 1993.

Honors

3 patents granted, and 3 patents in process.

Named one of MIT Technology Review's top 100 innovators under 35, 1999

United States Air Force Laboratory Graduate Fellow – 25 chosen of 2031, 1991