THAD EUGENE STARNER
School of Interactive Computing
College of Computing, Georgia Institute of Technology

Professional Preparation

MIT	Computer Science	SB	1991
MIT	Brain and Cognitive Science	SB	1991
MIT	Media Arts and Sciences, Media Laboratory	SM	1995
MIT	Media Arts and Sciences, Media Laboratory	PhD	1999

Appointments

2013–present	Professor	Georgia Tech	Atlanta, GA
2010–2012 (full-time)	Technical Lead/Manager	Google	Mountain View, CA
2006–2013	Associate Professor	Georgia Tech	Atlanta, GA
2009	Visiting Professor	Univ. Bremen	Bremen, Germany
1999–2006	Assistant Professor	Georgia Tech	Atlanta, GA
2002	Visiting Professor	ETH-Zurich	Zurich, Switzerland
1992–1993	Associate Scientist	BBN	Cambridge, MA
1991-1992, 1993-1998	Research Assistant	MIT Media Lab	Cambridge, MA

Five Related Products

1. T. Estes, D. Backus, and T. Starner. "A Wearable Vibration Glove for Improving Hand Sensation in Persons with Spinal Cord Injury Using Passive Haptic Rehabilitation." International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth). Istanbul, Turkey, May 2015.

2. C. Seim, T. Estes, and T. Starner. "Towards Passive Haptic Learning of Piano Songs." IEEE World Haptics Conference. Evanston, IL, USA, June 2015.

3. K. Huang, T. Starner, E. Do, G. Weiberg, D. Kohlsdorf, C. Ahlrichs, R. Leibrandt. "Mobile Music Touch: Mobile tactile stimulation for passive learning." *Conf. on Human Factors in Computer Systems (CHI)* 2010, pp. 791–800.

4. D. Kohlsdorf, T. Starner. "Mobile Music Touch: The effect of primary tasks on passively learning piano sequences." *Int. Symp. on Wearable Computers* 2010.

5. T. Markow, N. Ramakrishnan, K. Huang, T. Starner, M. Eicholtz, S. Garrett, H. Profita, A. Scarlata, C. Schooler, and A. Tarun. "Mobile Music Touch: Vibration stimulus in hand rehabilitation." IEEE Pervasive Computing Technologies for Healthcare (PervasiveHealth), pp. 1-8, 2010.

Five Other Significant Products

1. H. Sahni, A. Bedri, P. Thukral, G. Reyes, Z. Guo, T. Starner, and M. Ghovanloo. "The Tongue and Ear Interface: A Wearable System for Silent Speech Recognition" ACM ISWC, Seattle, WA, September 2014. **Best paper nomination.**

2. M. Jackson, C. Zeagler, G. Valentin, A. Martin, V. Martin, A. Delawalla, W. Blount, S, Eiring, R, Hollis, Y. Kshirsagar, and T. Starner. "FIDO - Facilitating Interactions for Dogs with Occupations: Wearable Dog-Activated Interfaces." IEEE ISWC, Zurich, Switzerland, September 2013. **Best paper award.**

3. T. Westeyn, G. Abowd, T. Starner, J. Johnson, P. Presti, and K. Weaver. "Monitoring childrens developmental progress using augmented toys and activity recognition." *Personal and Ubiquitous Computing* 16(2): pp. 169-191, 2012. **Selected by ACM as a "Best Paper of 2012."**

4. S. Lee, T. Starner. "BuzzWear: Alert perception in wearable tactile displays on the wrist." *Conf. on Human Factors in Computer Systems (CHI)* 2010, pp. 433–442.

5. K. Walters, S. Lee, T. Starner, R. Leibrandt, M. Lawo, "Touchfire: Towards a glove-mounted tactile display for rendering temperature readings for firefighters." *Int. Symp. on Wearable Computers* 2010.

Synergistic Activities

1. Founder, IEEE International Symposium on Wearable Computers (ISWC): General Chair, 2000, 2007; Publicity Co-chair, 1999; Local Arrangements chair, 1997; Program Committee 1998, 2003-2005, 2007-2013.

2. Founding Member IEEE Wearable Information Systems Tech. Committee; Chair 2010-2013.

3. Focused research and advocacy for technological aids for the Deaf community. Volunteer science education outreach to schools for the deaf.

4. Scientific Advisor, WearIT@Work EU Framework 6 grant, Bremen Germany, 2004–2009.

Collaborators and co-editors during past 4 years: Gregory Abowd, GT; Amy Bruckman, GT; Richard DeVaul, Google; Irfan Essa, GT; Harley Hamilton, GT; Maribeth Gandy, GT; Maysam Ghovanloo, GT; Tom Martin, Virginia Tech; Melody Jackson, GT; Bradley Rhodes, Google;

Graduate advisor: Alex Pentland, MIT.

Thesis Advisees (acting as primary thesis advisor or co-advisor) (17): Prof. Daniel Ashbrook, RIT; Dr. Hannes Baumann, entrepeneur; Dr. Helene Brashear, entrepeneur; Dr. James Clawson, GT research scientist; Dr. Valerie Henderson-Summet, Emory Lecturer; Daniel Kohlsdorf, current; Dr. Seung Yon Lee, Google; Dr. Kent Lyons, Yahoo; Prof. Tanya Markow, West Point; Dr. David Minnen, Google; Nirmal Patel, Google; Himanshu Sahni, current; Caitlyn Seim, current; Dr. Kimberly Weaver, entrepeneur; Dr. Tracy Westeyn, govt.; Dr. Pei Yin, Pinterest; Zahoor Zafrulla, start-up

Postgraduate-scholars (2): Dr. Kent Lyons; Dr. Kwang-Hyun (Joseph) Park