SRIRAM KARTHIK BADAM

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EDUCATION

Ph.D.   **Department of Computer Science**
University of Maryland   **Aug 2014 – present**
College Park, MD, USA

Master of Science in ECE (GPA: 3.84/ 4.0)   **School of Electrical and Computer Engineering**
Purdue University   Aug 2012 – Aug 2014
West Lafayette, IN, USA

Bachelor of Technology (GPA: 8.78 / 10.0)   **Department of Computer Science and Engineering**
Indian Institute of Technology Hyderabad (IITH)   Aug 2008 – May 2012
Hyderabad, India

PROFESSIONAL EXPERIENCE

University of Maryland   College Park, MD, USA
Graduate Research Assistant   **Aug 2014 – present**

- Working under the supervision of **Dr. Niklas Elmqvist**, Associate Professor in College of Information Studies at University of Maryland.

Purdue University   West Lafayette, IN, USA
Graduate Research Assistant   Sep 2012 – Aug 2014

PUBLICATIONS

Journal Papers (peer-reviewed)

J3. S. K. Badam, E. R. Fisher, N. Elmqvist. Munin: A Peer-to-Peer Middleware for Ubiquitous Analytics and Visualization Spaces. *IEEE Transactions on Visualization & Computer Graphics*, to appear, 2014.

J2. J. C. Roberts, P. D. Ritsos, S. K. Badam, D. Brodbeck, J. Kennedy, N. Elmqvist. Visualization Beyond the Desktop – The Next Big Thing. *IEEE Computer Graphics & Applications*, to appear, 2014.

J1. E. R. Fisher, S. K. Badam, N. Elmqvist. Designing Peer-to-Peer Distributed User Interfaces: Case Studies on Building Distributed Applications. *International Journal of Human-Computer Studies,* 72(1): 100-110, 2014.

Conference Papers (peer-reviewed)

C4. <u>S. K. Badam</u>, N. Elmqvist. PolyChrome: A Cross-Device Framework for Collaborative Web Visualization. In *Proceedings of the ACM Conference on Interactive Tabletops and Surfaces*, Nov 16-19, Dresden, Germany, to appear, 2014. [29% acc. rate]

C3. S. Chandrasegaran, <u>S. K. Badam</u>, Z. Zhao, N. Elmqvist, L. Kisselburgh, K. Ramani. Collaborative Sketching with skWiki: A Case Study, *In Proceedings of the ASME IDETC/CIE Conference*, Aug 17-20, Buffalo, NY, 2014.

C2. <u>S. K. Badam</u>, S. Chandrasegaran, N. Elmqvist, K. Ramani. Tracing and Sketching Performance using Blunt-Tipped Styli on Direct-Touch Tablets. In *Proceedings of the ACM Conference on Advanced Visual Interfaces*, pp. 193–200, 2014. [31/110, 28% acc. rate]

C1. Z. Zhao, <u>S. K. Badam</u>, S. Chandrasegaran, D. G. Park, N. Elmqvist, L. Kisselburgh, K. Ramani. skWiki: A Multimedia Sketching System for Collaborative Creativity. In *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems*, pp. 1235–1244, 2014. [471/2064, 22.8% acc. rate]

UNDERGRADUATE MAJOR PROJECT

Mobile Applications for DISANET

DISANET - **Information Network for Natural Disaster Mitigation and Recovery**, is a joint research project between India and Japan on the use of information and communications technology to mitigate the after-effects of natural disasters.

As a part of this research group, I developed mobile applications for victim registration to support rescue and recovery operations. As a common platform for such applications, under the guidance of my advisors, I designed a data synchronization protocol for post-disaster situations using multi-hop, peer-to-peer communication.

Advised by: Dr. Ravindra Guravannavar and Dr. Naveen Sivadasan, Assistant Professors at IITH.

SKILLS

Expert at C, C++, Java, C#, Python; HTML, JS, CSS; Matlab;

HONORS AND AWARDS

- University of Tokyo - Mori Seiki Co. IIT **Undergraduate Scholarship** for the years 2009-10, 2010-11 (Also known as '**Todai IIT Scholarship**').