

SRIRAM KARTHIK BADAM

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EDUCATION

Ph.D.

University of Maryland
College Park, MD, USA

Department of Computer Science

Aug 2014 – present

Master of Science in ECE

Thesis title: Developing digital media platforms for early design
Purdue University
West Lafayette, IN, USA

School of Electrical and Computer Engineering

Aug 2012 – Aug 2014

Bachelor of Technology

Indian Institute of Technology Hyderabad (IITH)
Hyderabad, India

Department of Computer Science and Engineering

Aug 2008 – May 2012

PROFESSIONAL EXPERIENCE

University of Maryland

Graduate Research Assistant

College Park, MD, USA

Aug 2014 – present

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

Purdue University

Graduate Research Assistant

West Lafayette, IN, USA

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*, 21(2): 215-228, 2015.

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*, 34(6): 26-34, 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. S. K. Badam, N. Elmqvist. PolyChrome: A Cross-Device Framework for Collaborative Web Visualization. In *Proceedings of the ACM Conference on Interactive Tabletops and Surfaces*, pp. 109-118, 2014. [29% acc. rate]

C3. S. Chandrasegaran, **S. K. Badam**, Z. Zhao, N. Elmqvist, L. Kisselburgh, K. Ramani. Collaborative Sketching with skWiki: A Case Study, In *Proceedings of the ASME IDETC/CIE Conference*, 2014.

C2. S. K. Badam, 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, **S. K. Badam**, S. Chandrasegaran, D. G. Park, N. Elmqvist, L. Kisselburgh, K. Ramani. skWiki: A Multimedia Sketching System for Collaborative Creativity. In *Proc. of the ACM Conference on Human Factors in Computing Systems*, pp. 1235–1244, 2014. [471/2064, 22.8% acc. rate]

Workshop Papers

W1. S. K. Badam, N. Elmqvist. Projector Display Systems in Visualization. Workshop paper presented at Death of the Desktop: Envisioning Visualization without Desktop Computing at IEEE VIS 2014.

Posters (peer-reviewed)

P1. S. K. Badam, J. Zhao, N. Elmqvist, D. S. Ebert. TimeFork: Mixed Initiative Time-Series Prediction. Poster presented at IEEE Conference on Visual Analytics Science and Technology (VAST), 2014.

INVITED TALKS AND CONFERENCE PRESENTATIONS

T6. “QR-Vis: Embodied Interaction for Cross-Device Visualization”, 32nd Annual HCIL Symposium, College Park, Maryland, USA, May 28, 2015.

T5. “Cross-Device Frameworks for Collaborative Visualization”, HCIL Brown Bag Lunch Talk Series, College Park, Maryland, USA, Feb 5, 2015.

T4. “PolyChrome: A Cross-Device Framework for Collaborative Web Visualization”, ACM ITS 2014, Dresden, Germany, Nov 18, 2014.

T3. “Munin: A Peer-to-Peer Middleware for Ubiquitous Analytics and Visualization Spaces”, IEEE VIS 2014, Paris, France, Nov 12, 2014.

T2. “Multimodal Interaction Design for Ubiquitous Analytics”, IEEE VIS 2014 Doctoral Colloquium, Paris, France, Nov 8, 2014.

T1. “Tracing and Sketching Performance using Blunt-tipped Styli on Direct-Touch Tablets”, ACM AVI 2014, Como, Italy, May 29, 2014.

HONORS AND AWARDS

- Awarded Human-Computer Interaction Consortium travel grant for attending HCIC 2015 workshop on HCI theories.
- University of Tokyo - Mori Seiki Co. IIT **Undergraduate Scholarship** for the years 2009-10, 2010-11 (Also known as '**Todai IIT Scholarship**').

TEACHING

- Supervised freshman C-programming course lab sessions at Indian Institute of Technology Hyderabad in 2009-10.

REFERENCES

AVAILABLE ON REQUEST