

CURRICULUM VITAE

## **HARIHARAN SUBRAMONYAM**

PhD Candidate

University of Michigan, School of Information

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**Overview:** My research lies at the intersection of HCI, AI, and Cognitive Psychology. I design, build, and evaluate novel interactive intelligent systems for learning, sensemaking, and creativity in which I look at the trade-offs between making things easy and promoting cognition and creativity.

## **EDUCATION**

**SEPTEMBER 2015 – (EXPECTED) MAY 2020**

**Ph.D., UNIVERSITY OF MICHIGAN, ANN ARBOR, MI**

School of Information; Advisor: Eytan Adar

**SEPTEMBER 2013 – MAY 2015**

**M.S., UNIVERSITY OF MICHIGAN, ANN ARBOR, MI**

School of Information, HCI

**OCTOBER 2004 – MAY 2008**

**B.E., CMR INSTITUTE OF TECHNOLOGY, BENGALURU, INDIA**

Telecommunication

## **EMPLOYMENT EXPERIENCE**

**SEPTEMBER 2017 – NOVEMBER 2017**

**RESEARCH INTERN, ADOBE, SEATTLE, WA**

Creative Intelligence Lab; Mentors: Mira Dontcheva, Wilmot Li

**JUNE 2016 – AUGUST 2016**

**RESEARCH INTERN, MICROSOFT RESEARCH, REDMOND, WA**

Visualization and Interaction for Business and Entertainment group;

Mentors: Steven Drucker, Curtis Wong

**JUNE 2015 – AUGUST 2015**

**RESEARCH INTERN, XEROX PARC, PALO ALTO, CA**

Interactive Intelligence Lab; Mentors: Ashwin Ram, Peter Pirolli, Anusha Venkatakrisnan,

Michael Youngblood

**DEC 2011 – JUNE 2013**

**SENIOR DEVELOPER, SCHNEIDER ELECTRIC, BENGALURU, INDIA**

Integrated developer tools for human machine interfaces.

**JULY 2008 – NOV 2011**

**DEVELOPER, SUNGARD, BENGALURU, INDIA**

UI framework developer working on custom controls for windows application.

## **PUBLICATIONS**

**Hariharan Subramonyam**, Steven M. Drucker, and Eytan Adar. 2019. Affinity Lens: Data-Assisted Affinity Diagramming with Augmented Reality. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, New York, NY, USA, Paper 398. **Best Paper Award.**

**Hariharan Subramonyam**, Eytan Adar. 2019. SmartCues: A Multitouch Query Approach for Details-on-Demand through Dynamically Computed Overlays. In IEEE Transactions on Visualization and Computer Graphics, vol. 25, no. 1, pp. 597-607, Jan. 2019.

**Hariharan Subramonyam**, Wilmot Li, Eytan Adar, and Mira Dontcheva. 2018. TakeToons: Script-driven Performance Animation. In Proceedings of the 31st Annual ACM Symposium on User Interface Software and Technology (UIST '18). ACM, New York, NY, USA, 663-674.

Joyojeet Pal, Anandhi Viswanathan, Priyank Chandra, Anisha Nazareth, Vaishnav Kameswaran, **Hariharan Subramonyam**, Aditya Johri, Mark S. Ackerman, and Sile O'Modhrain. 2017. Agency in Assistive Technology Adoption: Visual Impairment and Smartphone Use in Bangalore. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17). ACM, New York, NY, USA, 5929-5940.

Brazel, David, Robin Corley, Chanda Phelan, Maia Frieser, **Hariharan Subramonyam**, Sally-Ann Rhea, Helen Vernier, John Hewitt, Paul Resnick, and Scott Vrieze. "The application of ecological momentary assessment and geolocation to a longitudinal twin study of substance use." In BEHAVIOR GENETICS, vol. 47, no. 6, pp. 676-677. 233 SPRING ST, NEW YORK, NY 10013 USA: SPRINGER, 2017.

### **Workshops and Posters:**

**Hariharan Subramonyam**, Bongshin Lee, Sile O'Modhrain, and Eytan Adar. 2017. Data dialog: facilitating collaborative decision making through data-driven conversations. In Proceedings of the 11th EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth '17). ACM, New York, NY, USA, 440-443.

**Hariharan Subramonyam**, Yuncheng Shen, and Samantha Lauren Jones. 2015. SIGCHI: Enabling Context for Traditional Chinese Paintings with "Rice Paper". In Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '15). ACM, New York, NY, USA, 49-54.

**Hariharan Subramonyam**. 2015. SIGCHI: Magic Mirror - Embodied Interactions for the Quantified Self. In Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '15). ACM, New York, NY, USA, 1699-1704.

## **TEACHING EXPERIENCE**

**Graduate Student Instructor** for the following courses at the University of Michigan – School of Information:

**SI 482:** Interaction Design [Fall 2016]; Professor: Dr. Michael Nebeling

**SI 649:** Information Visualization [Fall 2018]; Professor: Dr. Eytan Adar

### **Invited Talks:**

**SI 612:** "Lessons from Unboxing the Blackbox" [Winter 2016, 2017]

**EECS 482:** "Inmates are running the asylum and Why I think they should" [Winter 2018]

**SI 482:** "Many faces of Interaction Design" [Winter 2019]

## **ACADEMIC SERVICE**

**Graduate Student Coordinator**, Michigan Interactive and Social Computing [2018-2019]

**Student Representative**, Doctoral Executive Committee [2017-2018]

**Co-director**, DOIIIT Maker Space [2015, 2018]

**Reviewer**, CHI 2016, CHI 2017, CHI 2019, UIST 2019, DIS 2019, C&C 2019