

Himanshu Zade

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Education

PhD in Human Centered Design and Engineering 2016 - present
University of Washington - Seattle, USA.

MS by Research in Computer Science and Engineering 2012 - 2014
International Institute of Information Technology - Hyderabad, India.
Thesis - *Evolution of Mental Models of Interactive Machines: A Formal Approach.*

BTech in Computer Science and Engineering 2008 - 2012
International Institute of Information Technology - Hyderabad, India.

Publications

Himanshu Zade and Ed Cutrell. 2017. Measuring User Engagement with Online Media by Webcam-based Blink Detection. *Submitted to CHI '17.*

Syed Ishtiaque Ahmed, Nicola J. Bidwell, **Himanshu Zade**, Srihari H. Muralidhar, Anupama Dhareshwar, Baneen Karachiwala, Cedrick N. Tandong, and Jacki O'Neill. 2016. Peer-to-peer in the Workplace: A View from the Road. In Proceedings of the 34th Annual ACM Conference on Human Factors in Computing Systems (CHI '16), p. 5063-5075. [**Honorable Mention Award**]

Himanshu Zade. Advisor: Venkatesh Choppella. Evolution of mention models of interactive machines. *Masters Thesis.*

Himanshu Zade, Santosh A. Adimoolam, Sai Gollapudi, Anind K. Dey, and Venkatesh Choppella. 2014. Edit distance modulo bisimulation: a quantitative measure to study evolution of user models. In Proceedings of the 32nd Annual ACM Conference on Human Factors in Computing Systems (CHI '14), p. 1757-1766.

Himanshu Zade and Venkatesh Choppella. 2012. Functionality or user interface: Which is easier to learn when changed? In Proceedings of the 4th Annual IEEE International Conference on Intelligent Human Computer Interaction (IHCI '12), p. 41-46.

Deepti Aggarwal, **Himanshu Zade**, and Anind K. Dey. 2012. Demography based Automated Teller Machines. In Proceedings of the 4th Conference on Human Computer Interaction (Indi-aHCI '12).

Ongoing Projects

Is this tweet “actionable”? October 2016 - present
Mentor: Kate Starbird, Human Centered Design and Engineering (University of Washington)
Define and identify “actionable” information for emergency and humanitarian responders.

Visualizing ambiguity for qualitative coding January 2017 - present
Mentor: Cecilia Aragon, Human Centered Design and Engineering (University of Washington)
Design visualizations and study their utility to help qualitative coders resolve major conflicts.

**Extended
Abstracts**

Himanshu Zade. Adjusting social media to burst my filter bubble. 2017. Accepted for poster presentation in *Design for Curiosity* Workshop at the 35th Annual ACM Conference on Human Factors in Computing Systems (CHI '17).

Himanshu Zade. Crafting conversations from comments: How do we design interfaces that afford thoughtful responses? 2017. Accepted in *Conceptualizing, Creating, & Controlling Constructive and Controversial Comments: A CSCW Research-athon* at the 20th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17).

Himanshu Zade and Jacki O'Neill. 2016. Design Illustrations to Make Adoption of Ola Technology More Beneficial for Indian Auto-Rickshaw Drivers. In Proceedings of the 19th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion (CSCW '16 Companion), p. 453-456.

Susann Wagenknecht, Min Lee, Caitlin Lustig, Jacki O'Neill, and **Himanshu Zade.** 2016. Algorithms at Work: Empirical Diversity, Analytic Vocabularies, Design Implications. In Proceedings of the 19th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion (CSCW '16 Companion), p. 536-543.

**Research and
Work Experience**

Research Assistant, University of Washington September 2016 - present
Working with Kate Starbird in Emcomp lab (Human Centered Design and Engineering) to investigate the dynamics of mass participation and interaction enabled by new and social media.

Research Fellow, Microsoft Research India June 2015 - September 2016
Worked with Technology for Emerging markets group on several projects to aid developing and resource limited communities through the use of technology.

User Experience Researcher, Kern Communications October 2014 - May 2015
Conducted and analyzed user research upon different digital products and services.

Research Intern at HCII, Carnegie Mellon University May 2013 - April 2014
Investigated visual analytics for making machine learning more usable to non-expert users.

Intern at Innovation Lab, CA Technologies July 2012 - March 2013
Developed and documented Mobile Interface Guidelines; built a mobile application for allowing CA products to check their mobile compatibility.

Research Assistant at VLEAD August 2011 - May 2012
Built a framework for designing UI and structuring content to support asynchronous Virtual Lab development.

Research Assistant at Pascal Lab, IIIT - Hyderabad August 2010 - April 2011
Designed and developed a Virtual Lab for Principles of programming languages.

Past Projects

eyeBlink: Webcam based assessment of user engagement July 2015 - September 2016

Mentor: Ed Cutrell, Microsoft Research India

Investigate the use of eye blinks as a measure of user engagement with the online videos.

Learn2Earn: Incentivizing phone-based learning

Feb 2016 - Sep 2016

Mentor: Bill Thies, Microsoft Research India

Collaborated for disseminating information rapidly in rural areas by incentivizing IVR-based learning in local language through mobile phones.

Ola Autos: Peer to peer in the workplace

July 2015 - January 2016

Mentor: Jacki O'Neill, Microsoft Research India

Analyse ethnographic data collected from 80 auto-rickshaw drivers and suggest design implications to better the social impact upon the urban-poor drivers.

y2y: Youth to Youth Information Dissemination

January 2012 - May 2012

Mentor: Ms. Kavita Vemuri, IIT Hyderabad

Designed and developed a framework to collect and disseminate information pertaining to urban jobs in the rural areas using an SMS engine through the mobile platform.

Mobile Interface to Support Users of Varying Skill

August 2011 - December 2011

Mentors: Dr. Jen Mankoff and Dr. Anind Dey, CMU Pittsburgh

Prototyped a mobile interface that supports both novice and expert users.

Designing Effective Online Examinations

August 2011 - November 2011

Mentor: Dr. Kirti Garg, IIT - Hyderabad

Assessed the online examination system of software engineering course offered at IIT-Hyderabad; issued a set of guidelines from a HCI evaluation and incorporated them into the existing system.

Design Projects

Bingo!

March 2012

Presented in MIT Media Lab workshop, Delhi, India.

Built a working prototype of a sensor operated trash bin that enlarges its effective input surface area upon detection of any oncoming waste.

Demography based ATMs

November 2011

Design accepted in Usable Software and Interface Design for Social Innovation 2011, India.

Identified & differentiated the design requirements of an Indian ATM from the global standards.

Chez

January 2010

Secured a place within top 10 among 150 teams in IIT-H Yahoo HackU 2010.

Developed an application, using Yahoo map APIs, that allows tagging a place (Hospitals, Schools, Restaurants, etc.) with its features to optimize the search for such facilities.

Skill Set

User Research	Contextual Interviews, Usability Studies, Surveys, Expert Reviews
Design Skills	Experiment Design, Rapid Prototyping, UI Design, Story Boarding
Web Technologies	HTML5, CSS, PHP, Javascript, D3, jQuery
Programming	C (advanced), Java (basic), Python, Processing
Databases	MySQL
Documentation	LaTeX, Emacs (OrgMode)

Teaching Experience**Teaching Assistant, IIIT - Hyderabad**

August 2011 - December 2011

Teaching Assistant for *Principles of Programming Languages* elective.**Teaching Assistant, IIIT - Hyderabad**

August 2010 - December 2010

Teaching Assistant for *Humanities* elective.

Achievements and Awards

- Co-organised the *Algorithms at Work* workshop to be held at CSCW'16 in San Fransisco.
 - Received Google Research Travel Grant to present my paper at CHI '14, Toronto, Canada.
 - Certified French Language *DELPH - A1* with 85% by Alliance Française (á Hyderabad).
 - All India Engineering Entrance Examination 2008 - Rank 2199 among 800K candidates.
 - Joint Entrance Examination 2008 - All India Rank 4600 among 300K candidates.
 - Secured a place in the top 100 among 150K candidates in Cyber Olympiad 2006.
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Leadership Roles and Services

- Co-ordinator for Kalashetra Department in Felicity 2011, annual cultural festival of IIIT-H.
 - Editor (for an edition) and Creative head of IIIT-H newsletter *Ping!*.
 - A member of the APEX Body 2010-2011 to check improper treatment of freshers by seniors.
 - Member of IIIT-H Parliament dealing with new policy decisions and their implementations.
 - House Leader responsible for the well functioning of cultural activities.
 - Volunteered *Techease 2011*, *Techease 2012* and *UXIndia 2012*.
 - Active participation with Great Hyderabad Adventure Club on treks and adventure sports.
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References**Kate Starbird**

kstarbi@uw.edu

Assistant Professor, HCDE, University of Washington.

Ed Cutrell

cutrell@microsoft.com

Senior Researcher, TEM, Microsoft Research India.

Anind K. Dey

anind@cs.cmu.edu

Charles M. Geschke Director, HCII, Carnegie mellon University.

Venkatesh Choppella

venkatesh.choppella@iiit.ac.in

Associate Professor, SERC, IIIT - Hyderabad.

Jacki O'Neill

jacki.oneill@microsoft.com

Researcher, TEM, Microsoft Research India.
