

# Ramik Sadana

CS PhD, Georgia Institute of Technology

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Currently seeking research and development roles focused on adapting new technologies for human-centered experiences.

## Education

- 2012–2017      Ph.D. CS – Human-Computer Interaction  
Georgia Tech, Atlanta, Georgia  
*Advisor: John Stasko*  
*Thesis: Data Visualization on Tablet Devices*  
My research focuses on the intersection of *data visualization* and *natural user interfaces*. I design and build interaction methods for touch devices that support knowledge discovery with data.
- 2010 – 2012      M.S. Human-Computer Interaction  
Georgia Tech, Atlanta, Georgia
- 2005 – 2010      M.S. (Integrated) Economics  
Indian Institute of Technology, Kanpur, India

## Experience

- May – Aug 2015      Tableau Research, Palo Alto, CA  
*Research Intern, Mentor: Vidya Setlur, Jock Mackinlay*  
Designed and prototyped an interactive, multi-touch workflow for data cleaning and preparation within tablet-based business intelligence tools.
- May – Dec 2014      Google Research, Mountain View, CA  
*Research Intern, Mentor: Yang Li*  
Developed a tool for designers to rapidly test multi-touch interactions with video mockups of sample application behavior.
- May – Aug 2013      Adobe Research, San Jose, CA  
*Research Intern, Mentor: Bongwon Suh, Eunyee Koh*  
Created a system to generate visual summaries of large collections of tweets to answer questions such as *'How has the conversation changed over time?'*
- May – Aug 2012      Microsoft Research, Redmond, WA  
*Research Intern, Mentor: Danyel Fisher, Steven Drucker*  
Designed and prototyped a gesture-based and a WIMP-based interface for data-visualization on tablets, and conducted a comparative evaluation.

## Select Publications

- 2016 R. Sadana and J. Stasko, "Expanding Selection for Information Visualization Systems on Tablet Devices" *ISS'16*, Niagara Falls, Canada, Nov. 2016
- 2016 R. Sadana and Y. Li, "Gesture Morpher: Video-based Retargeting of Multi-touch Interactions" *MobileHCI'16*, Florence, Italy, Sep. 2016
- 2016 R. Sadana and J. Stasko, "Designing Multiple Coordinated Visualizations for Tablets" *Eurovis'16*, Groningen, Netherlands, June 2016
- 2014 R. Sadana, T. Major, A. Dove, J. Stasko, "OnSet: A Visualization Technique for Large-scale Binary Set Data", *IEEE VIS'14*, Paris, France, Nov. 2014
- 2014 R. Sadana and J. Stasko, "Designing and Implementing an Interactive Scatterplot Visualization for a Tablet Computer" *AVI'14*, Como, Italy, June 2014
- 2013 S. Drucker, D. Fisher, R. Sadana, J. Herron, m. c. schraefel, "TouchViz: A case study comparing two interfaces for Data Analytics on Tablets", *CHI'13*, Paris, France, May 2013

## Invited Talks

- 2015 'A bit about touch' at *OpenVIS 2015*, Boston, MA, April 2015
- 2013 'Data + Touch: Explorations and Opportunities' at workshop on 'Mobile and Breaking News: New Challenges for News Information Visualizations', *IEEE VIS'13*, Atlanta, GA, Oct. 2013

## Skills & Tools

- Development* Objective-C, Java, Swift, Python
- Prototyping* D3, JavaScript, Processing, Framer, Cinder, Arduino
- Design* Sketch, Photoshop, Illustrator, Premiere Pro, After Effects

## Awards

- 2015 Google Faculty Research Award (with advisor John Stasko)
- 2013 – 2014 Adobe Student Research Grant
- 2013 Microsoft Research Alumni Travel Grant