

# MELISSA BICA

University of Colorado Boulder

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## EDUCATION

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- University of Colorado Boulder** 2014 – present  
Ph.D., Computer Science, third year student
- NSF Graduate Research Fellow advised by Professor Leysia Palen
  - Research interests: human-centered computing, social computing, crisis informatics
- Santa Clara University** 2010 – 2014  
B.S., Computer Science and Engineering
- Graduated *cum laude*
- University of Edinburgh** Fall 2012  
Study abroad, School of Informatics

## PUBLICATIONS

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- Melissa Bica, Leysia Palen, and Chris Bopp. **Visual Representations of Disaster**. (2017). To appear in *Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing* (CSCW '17).
- Jennings Anderson, Marina Kogan, Melissa Bica, Leysia Palen, Kenneth M. Anderson, Kevin Stowe, Rebecca Morss, Julie Demuth, Heather Lazrus, Olga Wilhelmi, and Jen Henderson. (2016). **Far Far Away in Far Rockaway: Responses to Risks and Impacts during Hurricane Sandy through First-Person Social Media Narratives**. *Proceedings of the Conference on Information Systems for Crisis Response and Management* (ISCRAM '16).
- Kyoung-Sook Kim, Melissa Bica, Isao Kojima, and Hirotaka Ogawa. (2015). **RendezView: Look at Meanings of an Encounter Region over Local Social Flocks**. *Proceedings of the 6th ACM SIGSPATIAL International Workshop on GeoStreaming*.

## POSTERS AND WORKSHOP PAPERS

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- Melissa Bica and Jennings Anderson. (2016). **"You Are What You Tweet!" The Ethics of (Re) Publishing Public Data as Crafted Narratives**. Workshop on Ethical Encounters in HCI Research at the ACM Conference on Human Factors in Computing Systems (CHI '16). [Workshop Paper]
- Melissa Bica and Kyoung-Sook Kim. (2015). **RendezView: An Interactive Visual Mining Tool for Discerning Flock Relationships in Social Media Data**. International Conference for High Performance Computing, Networking, Storage and Analysis (SC '15). [Poster]

## TEACHING EXPERIENCE

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- University of Colorado Boulder**
- Guest Lecturer for CSCI 4830: HCC Big Data Computing. October 19, 2015
- Teaching Assistant for CSCI 1300: Introduction to Programming. August 2014 – May 2015

## OTHER EXPERIENCE

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- National Institute of Advanced Industrial Science and Technology** June – July 2015  
OSDC PIRE Fellow
- Implemented an interactive data visualization interface in JavaScript, HTML, and CSS, called RendezView, for structuring geo-referenced social media data.

**Center for Science, Technology, & Society (Santa Clara University)****February – December 2013**

Global Social Benefit Fellow

- Conducted research for social enterprises Anudip and iMerit as part of this 9 month, academic action research fellowship including 7 weeks of field work in Kolkata, India.
- Developed curriculum and instructed women in HTML/CSS in a semi-rural iMerit center in Metiabruz.

**Qualcomm Incorporated****June – August 2012**

Interim Engineering Intern

- Developed automated Android system and graphics performance benchmark tests in Perl and Java.
- Improved efficiency by reducing time needed to perform tests and analyze results.

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**AWARDS**

<b>National Science Foundation Graduate Research Fellowship</b>	<b>June 2016</b>
<b>Open Science Data Cloud Partnerships for International Research and Education (PIRE) Fellowship</b>	<b>April 2015</b>
<b>Graduate Student Research Community Development Award</b>	<b>October 2014</b>
<b>Dean's Fellowship (CU Boulder)</b>	<b>AY 2014 – 2015</b>
<b>Dean's List (Santa Clara University)</b>	<b>AY 2013 – 2014</b>
<b>Senior Design Presentation Session Award (Santa Clara University)</b>	<b>May 2014</b>
<b>IEEE Women in Engineering International Leadership Conference Scholarship</b>	<b>April 2014</b>
<b>Upsilon Pi Epsilon Computing and Information Honor Society</b>	<b>April 2014</b>
<b>Willem P. Roelandts and Maria Constantino-Roelandts Grant</b>	<b>November 2013</b>
<b>Tau Beta Pi Engineering Honor Society</b>	<b>October 2013</b>
<b>Grace Hopper Celebration of Women in Computing Scholarship</b>	<b>July 2013</b>
<b>Global Social Benefit Fellowship</b>	<b>February 2013</b>
<b>Cisco-SCU Engineering Fellowship</b>	<b>May 2012</b>
<b>Richard Tapia Celebration of Diversity in Computing Scholarship</b>	<b>April 2011</b>

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**PROFESSIONAL MEMBERSHIP**

ACM, ACM-W, ACM Special Interest Group Computer-Human Interaction (SIGCHI), Colorado Virtual Operations Support Team (COVOST)