

# APOORVA CHAUHAN

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## EDUCATION

PH.D., COMPUTER SCIENCE Utah State University (USU), Logan, UT, USA	DEC 2018
M.S., COMPUTER SCIENCE Utah State University, Logan, UT, USA Thesis: Online Media Use and Adoption by Hurricane Sandy affected Fire and Police Departments.	DEC 2014
B.E., COMPUTER SCIENCE & ENGINEERING Lakshmi Narain College of Technology, Bhopal, MP, IND	JUN 2012

## RESEARCH INTERESTS

Human-computer interaction, computer supported cooperative work, crisis informatics, mobile technologies, and electronic textiles.

## HONORS AND AWARDS

- Accepted to ISCRAM 2018 Doctoral Consortium, Rochester, NY, USA.
- 2018 Outstanding Graduate Researcher in the Computer Science Department Award, USU, USA. Recognized at the USU Computer Science Spring Social and Annual Awards Celebration (April 24, 2018) at David Haight Alumni House, USU.
- USU RGS Graduate Student Travel Award for ISCRAM 2018 at Rochester, New York, USA.
- Finalist for the Doctoral Researcher of the Year at Robin's Awards (**USU's most prestigious awards**), USU, USA. Recognized at the USU Robin's Award Ceremony (April 14, 2018) at TSC Ballroom USU.
- 2018 Outstanding Engineering Graduate Scholar in the College of Engineering Award, USU, USA. Recognized at the USU College of Engineering Awards Ceremony (April 12, 2018) at USU Engineering Building.
- 2018 Doctoral Researcher of the Year in the College of Engineering Award, USU, USA. Recognized at USU College of Engineering Awards Ceremony (April 12, 2018) at USU Engineering Building and USU Student Research Awards Breakfast (April 13, 2018) at David Haight Alumni House USU.
- Judge for a Poster Presentation session at the 2018 Student Research Symposium, USU, USA.
- Accepted to 2018 CSS Summer School, LA, USA (**15% acceptance rate**).
- Social Media Chair for ISCRAM 2018, Rochester, NY, USA.
- USU Computer Science Department Research Assistantship, Spring 2018.
- USU RGS Graduate Student Travel Award for CHI 2017 at Denver, Colorado, USA.
- Nominated for 'Best Student Paper' at ISCRAM 2016.
- USU RGS Graduate Student Travel Award for ISCRAM 2015 at Kristiansand, Norway.
- Social Media Chair for ISCRAM 2015, Kristiansand, Norway.
- Invited Guest Speaker at three USU International Teaching Assistant workshops held in the years 2014 and 2015.

## PROFESSIONAL EXPERIENCE

GRADUATE RESEARCH ASSISTANT, USU Use of Social Media around crises.	SPRING 2014 – PRESENT
GRADUATE INSTRUCTOR, USU CS 1400 – Introduction to Computer Science I	Spring 2017
GRADUATE TEACHING ASSISTANT, USU CS5460/6460 – Computer Security I/II	Fall 2017

CS2610 - Developing Web Applications  
CS1400 - Intro Computer Science 1

Fall 2013  
Spring 2013

## PROFESSIONAL TRAININGS

APPIN TECHNOLOGY LAB, BHOPAL, IND

SUMMER 2011

Make the server secure and more efficient in terms of delivery and costs.

Enhanced the security for Windows and Linux by dealing with the threats of 'privilege escalation' and 'phishing.'

## CERTIFICATIONS

Collaborative Institutional Training Initiative (CITI)

Fall 2016

Community Emergency Response Team (CERT)

Summer 2016

## PROFESSIONAL SKILLS

PROGRAMMING LANGUAGES FAMILIARITY: C++, Matlab, Python, SQL.

OPERATING SYSTEM: Microsoft Windows.

SOFTWARE: CLion, Visual Studio 2010/12, Microsoft Visual C++ 2010 Express, Visual Paradigm for UML, MySQL Workbench, NetBeans IDE, Eclipse, Matlab, MS Office.

## CONFERENCE PUBLICATIONS

Chauhan, Apoorva and Amanda Hughes (2018). Social Media Resources Named after a Crisis Event. In Proceedings of the 2018 Information Systems for Crisis Response and Management Conference (ISCRAM 2018), Rochester, NY, USA.

Chauhan, Apoorva and Amanda Hughes (2017). Providing Online Crisis Information: An Analysis of Official Sources during the 2014 Carlton Complex Wildfire. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI 2017)*, Denver, Colorado, USA. (**Top Conference in Human-Computer Interaction**)

Chauhan, Apoorva and Amanda Hughes (2016). Online Mentioning Behavior during Hurricane Sandy: References, Recommendations, and Rebroadcasts. In *Proceedings of the 2016 Information Systems for Crisis Response and Management Conference (ISCRAM 2016)*, Rio De Janeiro, Brazil. (**Nominated in the Best Student Paper Category**)

Trilateral Research, Fraunhofer Institute for Open Communication Systems, Utah State University (Amanda L. Hughes, Apoorva Chauhan), and the Asian Disaster Preparedness Centre (2016). Comparative Review of the First Aid App. *Final Report to the Global Disaster Preparedness Center*. <http://preparecenter.org/resources/comparative-review-first-aid-app>.

Hughes, Amanda and Apoorva Chauhan (2015). Online Media as a Means to Affect Public Trust in Emergency Responders. In *Proceedings of the 2015 Information Systems for Crisis Response and Management Conference (ISCRAM 2015)*, Kristiansand, Norway.

Chauhan, Apoorva and Amanda Hughes (2015). Facebook and Twitter Adoption by Hurricane Sandy-affected Police and Fire Departments. In *Proceedings of the 2015 Information Systems for Crisis Response and Management Conference (ISCRAM 2015)*, Kristiansand, Norway.

## PROFESSIONAL PRESENTATIONS

Chauhan, Apoorva and Amanda Hughes (2018). Is Information provided by Crisis Named Resources on Facebook and Twitter Trustworthy? *Oral Presentation at the 2018 USU Research Week*, USU, USA.

Chauhan, Apoorva and Amanda Hughes (2017). Providing Online Crisis Information: An Analysis of Official Sources during the 2014 Carlton Complex Wildfire. *Oral Presentation at the 2017 CHI Conference on Human Factors in Computing Systems (CHI 2017)*, Denver, Colorado, USA.

Chauhan, Apoorva and Amanda Hughes (2016). Online Mentioning Behavior during Hurricane Sandy: References, Recommendations, and Rebroadcasts. *Oral Presentation at the 2016 Information Systems for Crisis Response and Management Conference (ISCRAM 2016)*, Rio De Janeiro, Brazil.

Chauhan, Apoorva and Amanda Hughes (2015). Facebook and Twitter Adoption by Hurricane Sandy-affected Police and Fire Departments. *Oral Presentation at the 2015 Information Systems for Crisis Response and Management Conference (ISCRAM 2015)*, Kristiansand, Norway.

## **POSTERS**

Chauhan, Apoorva and Amanda Hughes (2016). Overview of Event Based Resources on Facebook and Twitter: Fort McMurray Wildfire, May 2016. *USU Research Week, April 2017*.

Chauhan, Apoorva and Amanda Hughes (2016). Online Dissemination of Official Information – The 2014 Carlton Complex Wildfires. *USU Computer Science Industry Day, April 2016. USU Research Week, April 2016. USU Science Unwrapped, April 2016*.

Chauhan, Apoorva, Dale Flamm, James Nickerson, Sarbajit Mukherjee, and Amanda Hughes (2016). Haptic Guidance for Persons with Visual Impairment during Crisis Evacuations. *USU Computer Science Industry Day, April 2016. USU Science Unwrapped, April 2016*.

Chauhan, Apoorva and Amanda Hughes (2015). Online Trust-Building Recommendations for Emergency Responders. *USU Computer Science Industry Day, March 2015*.

## **DEMONSTRATION**

Chauhan, Apoorva (2018). E-textiles using Circuit Playground and LEDs. Demo at the 2018 USU Native American STEM Mentorship Program, USU, USA.

## **PROFESSIONAL TUTORIALS, COURSES, AND WORKSHOP**

CHI 2017, DENVER, COLORADO, USA

- Introduction to Human-Computer Interaction

By Jonathan Lazar (Towson University, Maryland, USA) and Simone D. J. Barbos (Pontifical Catholic University of Rio de Janeiro, Rio de Janeiro, Brazil).

ISCRAM 2015, KRISTIANSAND, NORWAY

- Qualitative Research Methods for Crisis Informatics: Thinking Out Loud, Semi-structured Interviews, and Focus Groups.

By Dr. Starr Roxanne Hiltz (New Jersey Institute of Technology, New Jersey, USA) and Dr. Andrea Tapia (Pennsylvania State University, Pennsylvania, USA).

## **SERVICE**

VOLUNTEER

- Learn Explore Design Lab, USU (Jan 2018 – Present).
- Intensive English Language Institute (Spring 2018).

COMMITTEES

- Social Media Chair, 15<sup>th</sup> International Conference on Information Systems for Crisis Response and Management, May 2018 in Rochester, New York, USA.
- Social Media Chair, 12<sup>th</sup> International Conference on Information Systems for Crisis Response and Management, May 2015 in Kristiansand, Norway.
- Computer Science Student Representative for the Differential Tuition Oversight Committee, 2016-2017.

GUEST SPEAKER

- International Teaching Assistant workshop at USU, August 2015.
- International Teaching Assistant workshop at USU, October 2014.
- International Teaching Assistant workshop at USU, August 2014.

CONFERENCE REVIEWER

- ISCRAM: 2018, 2017, 2016, and 2015.
- iConference: 2017, 2016, and 2015.
- International Journal of Human-Computer Studies: 2015.

STUDENT VOLUNTEER AT CONFERENCES

- CHI 2017 – Denver, Colorado, USA.
- ISCRAM 2015 – Kristiansand, Norway.