

# APOORVA CHAUHAN

PhD Candidate | Department of Computer Science  
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@HCL\_researcher

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## EDUCATION

PH.D., COMPUTER SCIENCE DEC 2018  
Utah State University (USU), Logan, UT, USA

M.S., COMPUTER SCIENCE DEC 2014  
Utah State University, Logan, UT, USA  
Thesis: Online Media Use and Adoption by Hurricane Sandy affected Fire and Police Departments.

B.E., COMPUTER SCIENCE & ENGINEERING JUN 2012  
Lakshmi Narain College of Technology, Bhopal, MP, IND

## RESEARCH INTERESTS

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

## HONORS AND AWARDS

USU PhD Researcher of the Year in the College of Engineering (2018 – 2019).  
USU Computer Science Department Research Assistantship (Spring 2018).  
USU RGS Graduate Student Travel Award for CHI 2017 at Denver, Colorado, USA.  
Nomination for Best Student Paper at ISCRAM 2016 in Rio de Janeiro, Brazil.  
USU RGS Graduate Student Travel Award for ISCRAM 2015 at Kristiansand, Norway.

## PROFESSIONAL EXPERIENCE

GRADUATE RESEARCH ASSISTANT, USU SPRING 2014 – PRESENT  
Use of Social Media around crises.

GRADUATE INSTRUCTOR, USU Spring 2017  
CS 1400 – Introduction to Computer Science I

GRADUATE TEACHING ASSISTANT, USU  
CS5460/6460 – Computer Security I/II Fall 2017  
CS2610 - Developing Web Applications Fall 2013  
CS1400 - Intro Computer Science I 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 (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.

## CONFERENCE PRESENTATIONS

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*.

## 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

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