

Hui Guo

website: <https://hguo5.github.io/>

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I am currently a PhD student in computer science at NC State University and will graduate in early 2021. My research interests are natural language processing, text mining, machine learning, and social computing.

EDUCATION

North Carolina State University

Jan, 2015 ~ Dec, 2020 GPA 4.00
PhD studies in computer science

East Carolina University

Aug, 2012 ~ May, 2014 GPA 4.00
Master of science in computer science

Tsinghua University

Aug, 2005 ~ July, 2009 GPA 3.78
Bachelor of Automation Engineering

EXPERIENCE

North Carolina State University, Raleigh, NC — Research Assistant

JAN 2015-Present

Global Innovation, Ernst & Young, Palo Alto, CA — AI Research Intern

JUN 2018 - DEC 2018

East Carolina University, Greenville, NC — Graduate Assistant

AUG 2012 - MAY 2014

AWARDS

Computer Science Outstanding Research
Award

NCSU, 2020

Computer Science Outstanding TA Award

NCSU, 2017

Robert Clifford Rogers Memorial Award in
recognition of Outstanding Graduate Scholars
ECU, 2014

Awards for academic excellence.

Tsinghua University, 2005 & 2006

SKILLS

JAVA, C, Python, TensorFlow, Keras, and
willing to learn more!

PUBLICATIONS

[C] *Lin: Unsupervised Extraction of Tasks from Textual Communication*, **COLING 2020**, Parth Diwanji, [Hui Guo](#), Anup K. Kalia, and Munindar P. Singh. (short paper, accepted)

[C] *Caspar: Extracting and Synthesizing User Stories of Problems from App Reviews*, **ICSE 2020**, [Hui Guo](#) and Munindar P. Singh. [[link](#)] [[pdf](#)]

[C] *Elessar: Ethics in Norm-Aware Agents*, **AAMAS 2020**, Nirav Ajmeri, [Hui Guo](#), Pradeep K. Murukannaiah, and Munindar P. Singh. [[link](#)] [[pdf](#)]

[C] *A Framework for Word Segmentation in Images using Density-based Clustering*, **CATA 2020**, [Hui Guo](#) and Qin Ding. [[link](#)] [[pdf](#)]

[J] *Çorba: Crowdsourcing to Obtain Requirements from Regulations and Breaches*, **EMSE**, [Hui Guo](#), Özgür Kafalı, Anne-Liz Jeukeng, Laurie Williams, and Munindar P. Singh. **2019**. [[link](#)] [[pdf](#)]

[W] *Extraction of Natural Language Requirements from Breach Reports Using Event Inference*, **AIRE 2018**, [Hui Guo](#), Özgür Kafalı, and Munindar P. Singh. [[link](#)] [[pdf](#)]

[C] *Robust Norm Emergence by Revealing and Reasoning about Context: Socially Intelligent Agents for Enhancing Privacy*, **IJCAI 2018**, Nirav Ajmeri, [Hui Guo](#), Pradeep K. Murukannaiah, and Munindar P. Singh. [[link](#)] [[pdf](#)]

[J] *Designing Ethical Personal Agents*, **IEEE Internet Computing**, Nirav Ajmeri, [Hui Guo](#), Pradeep K. Murukannaiah, and Munindar P. Singh. **2018**. [[link](#)] [[pdf](#)]

[J] *Teaching Crowdsourcing: An Experience Report*, **IEEE Internet Computing**, [Hui Guo](#), Nirav Ajmeri, and Munindar P. Singh. **2018**. [[link](#)] [[pdf](#)]

[C] *Arnor: Modeling Social Intelligence via Norms to Engineer Privacy-Aware Personal Agents*, **AAMAS 2017**, Nirav Ajmeri, Pradeep K. Murukannaiah, [Hui Guo](#), and Munindar P. Singh. [[link](#)] [[pdf](#)]

[C] *miRDiabetes: A microRNA-Diabetes Association Database Constructed by Classification on Literature*, **BICoB 2016**, [Hui Guo](#) and Qin Ding. [[link](#)] [[pdf](#)]

[J] *The Evolution of Photosynthesis in Chromist Algae through Serial Endosymbioses*, **Nature Communications**, John W. Stiller, John Schreiber, Jipei Yue, [Hui Guo](#), Qin Ding, and Jinling Huang. **2012**. [[link](#)] [[pdf](#)]