

Rui Liu

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Education

Dartmouth College , USA Ph.D Study in Computer Science	Sep. 2015 - Jun. 2020 (Expected)
University of Washington , USA Master Degree in Computer Science	Sep. 2013 - May. 2015
Tsinghua University , China Bachelor Degree of Computer Science	Sep. 2009 - Jul. 2013

Publications

Si-Chi Chin, **Rui Liu**, and Senjuti Basu Roy. *Healthcare Analytics: From Data to Knowledge to Healthcare Improvement*, In Yang, Hui; Lee, Eva, editors, chapter *Predictive Analytics in 30-Day Hospital Readmission for Heart Failure Patients*. New Jersey: John Wiley & Son Inc.

Senjuti Basu Roy, Ankur Teredesai, Kiyana Zolfaghar, **Rui Liu**, David Hazel, Stacey Newman, Albert Martinez. Dynamic Hierarchical Classification for Patient Risk-of-Readmission. In *Proceedings of ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (SigKDD)*, 2015.

Rui Liu, Kiyana Zolfaghar, Si-Chi Chin, Senjuti Basu Roy, and Ankur Teredesai. A framework to recommend interventions for 30-day heart failure readmission risk. In *IEEE International Conference on Data Mining series (ICDM)*, 2014.

Si-Chi Chin, James Marquardt, **Rui Liu**, and Martine De Cock. Prediction of hospitalization cost for childbirth. In *ACM SIGKDD Workshop on Health Informatics (HI-KDD)*, 2014.

Meng Jiang, Peng Cui, **Rui Liu**, Qiang Yang, Fei Wang, Wenwu Zhu, and Shiqiang Yang. Social contextual recommendation. In *Proceedings of the 21st ACM International Conference on Information and knowledge management (CIKM)*, 2012.

Ongoing Projects

Vocal Resonance as a Passive Biometric: A micro-system uses vocal resonance, the sound of the person's voice as it travels through the person's body, to identify the user by attaching a microphone to user's throat.

Skills

Programming Languages: C/C++, Java, Python, R, Shell

Applications: Git, Hadoop, Latex