HAICI YANG

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hy17@iu.edu · https://haiciyang.github.io/   Bloomington, Indiana, 47408.

EDUCATION

PhD   Indiana University   Bloomington, IN.   Aug. 2019 – Current
Intelligent System Engineering
Advised by Professor Minje Kim in Signal and AI Group in Engineering

MS   Peking University   Beijing, China   Sep. 2017 – Jun. 2019
Informatics
Advised by Professor Jun Wang in KVision Digital Library Lab.

BS   Beijing Normal University   Beijing, China   Sep. 2013 – Jun. 2017
Information System; Minored in Psychology
Graduated with Honor

PUBLICATIONS

Conference Papers

Sunwoo Kim; **Haici Yang**; Minje Kim. Boosted Locality Sensitive Hashing: Discriminative Binary Codes for Source Separation.
'ICASSP 2020', 'Nomination of Best Student Paper Award'

Yang, H., Beack, S. and Kim, M., 2020. Source-Aware Neural Speech Coding for Noisy Speech Compression. arXiv preprint arXiv:2008.12889.
'To be submitted'

Wang, Jun; **Yang, Haici;** Zhang, Liyuan;. Can Digital Humanities Help in Finding Research Questions? A Comparative Analysis of the Attitudes Towards Neo-Confucianism Study of Scholars Today and 300 Years Ago.
'Digital Humanities 2020'

Journal Papers

Börner, Katy, et al. "Mapping the co-evolution of artificial intelligence, robotics, and the internet of things over 20 years (1998-2017)." arXiv preprint arXiv:2006.02366 (2020).

Domestic Publications (In Chinese)

Haici Yang. "Network Extraction and Analysis on SongYuanXueAn -- Word Embedding Application on Chinese Traditional Text". Peking University. 2019

Haici Yang, Jun Wang. "Construction and Visualization of Knowledge Graph on Academic Relationships among People in Song Dynasty". Data Analysis and Knowledge Discovery, vol. 3, no. 6, 2019, pp. 109-116. (Demo: kvlab.org/cbdb_kg)

Haici Yang, Yuzhen Sang, Shenglong Han. "Research on the Interaction Mechanism Between Urbanization and Digital Divide". Library Tribune, vol. 7, 2019, pp. 34-41.

Jian Jin, **Haici Yang**. "A Topic Relevance Aware Model for Reviewer Recommendation", Digital Library Forum, vol. 4, 2017, pp. 47-55.

WORK EXPERIENCE

Amazon.com, Alex Speech Team   Summer 2020

Applied Scientist Intern,

- Worked on two projects: 1) Comprehensive Understanding of State-of-the-art Approaches in Speaker Recognition; 2) Non-local Convolutional Neural Network on Speaker Recognition.
- One paper and one patent application out of my work during intern are ongoing.

Indiana University, Bloomington, IN   Jan 2020 - Current

Research Assistant

- Developed a source-aware coding system to handle noisy speech input. The proposed codec system can recover the original noisy speech in better quality than the baseline neural audio coding systems

Cyberinfrustructure Network Science Center, Bloomington, IN   Aug 2018 – Mar 2019

Research Assistant, Advised by Katy Börner

- Designed and developed work flows as well as python functions for geography visualization and visualization of keyword burst in the context of science of science.
- Text extraction and mining with Python.

WWF China, Beijing China   Summer 2018

Analyst Intern

- Website design and development for HR department

Nielsen, Beijing China   Summer 2016

Analyst Assistant

- Co-produced a data driven user study report with database and R in Telecom Group

TEACHING EXPERIENCE

Indiana University, Bloomington, IN   Fall 2019

Associated Instructor

- ENGR-E533 Deep Learning System