

HAICI YANG

Phone: (812) 558-1564
hy17@iu.edu · <https://haiciyang.github.io/>

700 N. Woodlawn Ave. Luddy Hall,
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

Kim, S., **Yang, H.** and Kim, M., 2020, May. Boosted Locality Sensitive Hashing: Discriminative Binary Codes for Source Separation. In ICASSP 2020-2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) (pp. 106-110). IEEE. ‘*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.
‘*Accepted by ICASSP 2021*’

Yang, H., Mao, H., Li, R., Ju, C.J. and Elibol, O., 2020. Non-local convolutional neural networks (nlcnn) for speaker recognition. arXiv preprint arXiv:2011.03682.

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 K, et al. (2020) Mapping the co-evolution of artificial intelligence, robotics, and the internet of things over 20 years (1998-2017). PLoS ONE 15(12): e0242984.
<https://doi.org/10.1371/journal.pone.0242984>

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)

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

WORK EXPERIENCE

Indiana University, Bloomington, IN

Jan 2020 - Current

Research Assistant

- Supervisor: Minje Kim
- Project: Source-aware Neural Audio Coding

Amazon.com, Inc - Alex Speech Team

Summer 2020

Applied Scientist Intern

- Supervisor: Oguz Elibol, Hongda Mao
- Project: Non-local Convolutional Neural Networks (NLCNN) For Speaker Recognition

Cyberinfrastructure Network Science Center, Bloomington, IN

Aug 2018 – Mar 2019

Research Assistant

- Supervisor: Katy Borner
- Project: Mapping the co-evolution of artificial intelligence, robotics, and the internet of things over 20 years

WWF China, Beijing China

Summer 2018

Analyst Intern

- Website design and development for Human Resource Team.

Nielsen, Beijing China

Summer 2016

Analyst Assistant

- Data-driven user study reports producing for Telecom Team

TEACHING EXPERIENCE

Indiana University, Bloomington, IN

Fall 2019

Associated Instructor

- ENGR-E533 Deep Learning System