

XI CHEN

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EDUCATION

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| University of Massachusetts, Amherst MS/PhD student in Computer Science Research Area: Machine Learning for Social Science | 2019.9 - present |
| Central South University Bachelor Degree of Engineering Department: Computer Science | 2014.9 - 2018.6 |

EXPERIENCE

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| University of Massachusetts, Amherst Developing the largest dataset of multi-lingual news article pairs with statistical active learning framework. Inferred Causality in social feedback series with Generalized Linear Mixed Model. | 2019.9 - present |
| Institute for Artificial Intelligence, Tsinghua University Automatically traced heterogeneous science funding and corresponding scholars with name disambiguation. | 2018.3 - 2018.9 |
| Central South University Devised robust and efficient schemes for mobile body network, vehicular network, and wireless sensor network. | 2016.3 - 2017.7 |

PROJECT

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| Agenda-setting <ul style="list-style-type: none">• Embedded multi-lingual news articles with sentence-bert neural network and ridge regression.• Extracted name entities with Spacy and Polyglot; bridged multilingual name entities through Wikipedia concepts.• Query, filter, and refine similar news article pairs based on classifiers with similarity evaluation.• Tuned query model, evaluate annotator performance and detect behavior (break, cheat or pretend to work) based on statistic analysis of group agreement and individual action series.• Developed an integrated survey platform for annotators to label and discuss.• Establish a comprehensive and detail-specified sets of Codebook, Gold-standard examples and survey with rounds of test, calibration and user feedback. |
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PUBLICATION

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| Multilingual Document-level Similarity Xi Chen, Ali Zeynali, Chico Camargo, Fabian Flock, Devin Gaffney, Przemyslaw Grabowicz, Scott Hale, David Jurgens, Mattia Samory. Semeval, 2021. |
| Dynamic power management and adaptive packet size selection for IoT in e-Healthcare Xi Chen, Ming Ma, Anfeng Liu. Computers & Electrical Engineering, 2018. |
| Cross Layer Design for Optimizing Transmission Reliability, Energy Efficiency, and Lifetime in Body Sensor Networks Xi Chen, YiXuan Xu, Anfeng Liu. Sensors, 2017. |
| A Latency and Coverage Optimized Data Collection Scheme for Smart Cities Based on Vehicular Ad-hoc Networks Yixuan Xu, Xi Chen, Anfeng Liu, Chunhua Hu. Sensors, 2017. |

SKILL

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| PhD Courses: Machine Learning, Optimization, Algorithm, Probabilistic Graph Model, Natural Language Processing, Stochastic Calculus (audit) |
| Programming Language: Python, C/C++, R, Java, SQL, Linux, Matlab, Assembly Language |
| Framework: Experienced in Pytorch and Tensorflow |

HONOR

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| Nomination for Chinese Exceptional Student (1/6500 ISchool undergrads and grads), 2018. |
| Ranked global Top50 of Autochess players (50/millions) |