

XI CHEN

xchen4@cs.umass.edu ◇ <https://melongone.github.io/>

EDUCATION

University of Massachusetts, Amherst MS/PhD student in Computer Science Research Area: Machine Learning for Social Science (GPA: 3.8/4)	2019.9 - present
Central South University Bachelor Degree of Engineering Department: Computer Science (GPA 3.9/4)	2014.9 - 2018.6

EXPERIENCE

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

Large-scale News Graph Mining

- 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.

Personalized Opinion Graph Time Series Learning

- Modeled the dynamics of opinions and personalities with probabilistic graph time series.
- Devised an extended EM algorithm for learning the graph time series and get competitive performance.

PUBLICATION

Multilingual Document-level Similarity

Xi Chen, Ali Zeynali, Chico Camargo, Fabian Flock, Devin Gaffney, Przemyslaw Grabowicz, Scott Hale, David Jurgens, Mattia Samory. International Workshop on Semantic Evaluation (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

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

Nomination for Chinese Exceptional Student (1/6500 ISchool undergrads and grads), 2018.

Ranked global Top50 of Autochess players (50/millions)