

Bangzheng Li

PH.D STUDENT IN COMPUTER SCIENCE

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Natural Language Processing

Education

University of Southern California

PH.D IN COMPUTER SCIENCE

- Provost's Fellowship
- Advisor: Prof. Muhao Chen

Los Angeles, CA

Jul. 2022 -

University of Illinois at Urbana-Champaign

B.S. IN MATHEMATICS AND COMPUTER SCIENCE

Champaign, IL

Aug. 2018 - Dec. 2020

Beihang University

MATHEMATICS AND APPLIED MATHEMATICS

Beijing, P.R.China

Sep. 2016 - Jul. 2018

Publication

Ultra-fine Entity Typing with Indirect Supervision from Natural Language Inference

BANGZHENG LI, WENPENG YIN, MUHAO CHEN.

*Transactions of the Association
for Computational Linguistics
(TACL)*

2022

Neural Concept Map Generation for Effective Document Classification with Interpretable Structured Summarization

CARL YANG, JIEYU ZHANG, HAONAN WANG, BANGZHENG LI, JIAWEI HAN.

*Special Interest Group on
Information Retrieval (SIGIR)*

2020, short

Comprehensive named entity recognition on COVID-19 with distant or weak supervision

XUAN WANG, XIANGCHEN SONG, BANGZHENG LI, YINGJUN GUAN, JIAWEI HAN.

*Intelligent Systems for Molecular
Biology (ISMB)*

2020, Abstracts (Oral and Poster)

Fine-Grained Named Entity Recognized Dataset of COVID-19 Literature

XUAN WANG, XIANGCHEN SONG, BANGZHENG LI, KANG ZHOU, QI LI, JIAWEI HAN.

*IEEE International Conference on
Bioinformatics and Biomedicine
(BIBM)*

2020, Short

COVID-19 Literature Knowledge Graph Construction and Drug Repurposing Report Generation

QINGYUN WANG, MANLING LI, XUAN WANG, [AND 22 OTHERS, INCLUDING BANGZHENG LI].

*Annual Conf. of the North
American Chapter of the
Association for Computational
Linguistics (NAACL-HLT'21)*

2021, System Demo, Best Demo Award

Research Experience

LUKA Lab@USC

VISITING SCHOLAR

- Advisor: Prof. Muhao Chen
- Ultra-fine entity typing with indirect supervision from natural language inference.
- Accelerating sequence-pair classification with late binding.

Los Angeles, CA

Jun. 2021 - May. 2022

DMG@UIUC

RESEARCH ASSISTANT

- Advisor: Prof. Jiawei Han
- Covid-19 literature NER dataset and distantly or weakly supervised NER methods.
- Neural concept map generation for effective document classification.
- Heterogeneous graph embedding benchmark.

Champaign, IL

Jan. 2019 - Dec. 2020

Service

Reviewer

AAACL 2022, WISE-SUPERVISION 2022

Courses and Technical Skills

COURSES

- Core Courses: Machine Learning, Algorithms, Numerical Analysis, Computer Architecture, System Programming, Compilers
- Graduate Courses: Data Mining Principles, Advanced Information Retrieval, Network Mining

TECHNICAL SKILLS

- Python, C, Java, JavaScript, HTML, CSS
- Frameworks: PyTorch, TensorFlow

Teaching Experience

Abstract Algebra

COURSE ASSISTANT

Beihang University

Feb. 2018 - Jun. 2018

Advanced Algebra

COURSE ASSISTANT

Beihang University

Sep. 2017 - Dec. 2017