

LUMING SUN

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🎓 EDUCATION BACKGROUND

Renmin University of China 2017 – 2023(expected)

MD-PhD Big Data Science and Engineering

Xi'an Jiaotong University 2013 – 2017

Bachelor: Computer Science, *Major:* Engineering of Internet of Things

⚙️ PROFESSIONAL SKILLS

- Machine learning theory (deep learning, reinforcement learning, active learning)
- Database management systems
- Programming Language: Python, C++, Scala
- Frameworks and Systems: Pytorch, Tensorflow, PostgreSQL, Spark, Neo4j, Vertica

👥 RESEARCH & INTERNSHIP EXPERIENCE

National Internet Emergency Center 2017.10 – 2018.8

Student leader of Information Security Project

- Spark - Big data processing
- Python+Selenium - Large scale web spider
- Deep Learning + NLP - Short message classification, emotion analysis

Alibaba DAMO Academy 2020.6 – 2020.10

Research Intern at Database and Storage Lab

- Deep learning model pruning research in learning-based cardinality estimation
- Incremental and decremental learning research in learning-based cardinality estimation

National Key R&D Program of China 2018.5 –

Area of research: Learning-based query optimization

Selected Publications:

- **Luming Sun**, Shaomin Zhang, Tao Ji, Cuiping Li, Hong Chen (2019). Survey of Data Management Techniques Powered by Artificial Intelligence (In Chinese). In JOS.
- **Luming Sun**, Cuiping Li, Tao Ji, Hong Chen (2021). MOSE: A Monotonic Selectivity Estimator Using Learned CDF. In TKDE.

ByteDance Infra System Lab 2021.2 –

R&D Intern at ByteBrain

- Disk usage forecasting service for multiple storage systems
- Large scale QPS prediction service for certain business unit

♡ HONORS AND PRIZE

Tic100 National IoT Innovation Competition, *Bronze Award* 2016.9

Xi'an Jiaotong University, *Outstanding Student Leader* 2017.6

School of Information, Renmin University of China, *Excellent graduate students* 2018.12