

# LUMING SUN

✉ sunluming@ruc.edu.cn · ☎ (+86) 18511085366 · 🌐 LumingSun

## 🎓 EDUCATION BACKGROUND

---

**Renmin University of China** 2017 – 2023(expected)

*MD-PhD* Big Data Science and Engineering

*Research Interest* Machine Learning, Self-driving Database, Query Optimization

**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
- Incremental and decremental learning research
- Research of deep learning models in cardinality estimation

**National Key R&D Program of China** 2018.5 –

*Student leader of AIDB group*

- Self-driving Database - Sun LM, Zhang SM, Ji T, Li CP, Chen H. Survey of Data Management Techniques Powered by Artificial Intelligence. Journal of Software, 2020, 31(3): 600-619(in Chinese).
- Current Research - Learning based query optimization

**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