

Xiao Luo

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Webpage: <https://github.com/LittleZiggs>

SELF DESCRIPTION Ph.D. candidate wanna be, machine learning engineer, backend developer, loyal Ubuntu fan

JOB INTERESTS I'm looking for 2020 fall Ph.D. candidate position

GRE SCORE V163+Q170+W4.0

TOEFL SCORE 112 (R29+L30+S25+W28)

RESEARCH INTERESTS Machine Learning, Computer Vision, Big Data

SKILLS

- Programming Language: Java, Python, Shell, PHP, JavaScript, HTML, CSS, C/C++, Matlab
- Operating Systems: Linux(Ubuntu, CentOS), Windows
- Backend Server Framework: Dubbo, Netty, Spring Boot, Spring MVC
- Middle Ware: MySQL, Redis, MongoDB, ETCD, Zookeeper, Rocket MQ, Rabbit MQ, Docker, OpenCV
- Big Data: Spark, Hadoop, HDFS, Hive, MapReduce
- Machine Learning: Numpy, Pandas, Scikit-learn
- Deep Learning: Tensorflow2.0, Keras
- Development tools: Git, Maven, Jenkins
- Book: *Pattern Recognition and Machine Learning*
- MOOCs: "Machine Learning"(Stanford), "Deep Learning"(Coursera)

EDUCATION **Wuhan University**, Wuhan, China

M.Sc. Student, September 2012 - June 2015

- Advisor: Dr. Qinghu Chen Research Topic: "Printed Document Identification Based on Texture Analysis"
- Major: Pattern Recognition, Machine Learning
- Overall GPA: 3.94/4 (WES iGPA Calculator) Rank: top 1%

Wuhan University, Wuhan, China

B.E. Student, September 2008 - June 2012

- Major: Electronic Engineering
- Overall GPA: 3.66/4 (WES iGPA Calculator) Rank: 19/320

PUBLICATIONS

1. **Xiao Luo**, Qinghu Chen, Yuchen Yan, “Printed Characters' Texture Identification Based on Two-factor Analysis”, Journal of Computational Information Systems, 11(14), pp:5199–5207, 2015. (EI-Indexed) [\[Link\]](#)
2. Qianjin Zhou, Yuchen Yan, Tianhong Fang, **Xiao Luo**, Qinghu Chen. “Text-independent Printer Identification Based on Texture Synthesis”, Multimedia Tools and Applications, DOI: 10.1007/s11042-015-2525-5 (SCI-Indexed) [\[Link\]](#)
3. **Xiao Luo**, Qinghu Chen, Qianjin Zhou, Yuchen Yan, “Synthesis and Evaluation of Toner’s Texture Based on Nonparametric Search”, Science Technology and Engineering, 14(17), pp:248-252, 2014. [\[Link\]](#)

WORKING EXPERIENCES

MoboTap, Wuhan, China

- Junior Backend Developer, July 2015 - September 2018
- Developing the backend server of a financial management app, analyzing user data: Netty as the framework, MySQL for structured storage, Redis for cache, MongoDB for non-structured storage, ETCD for synchronization, RabbitMQ for message queue, Docker for production deployment, Hive, Hadoop, HBase and Spark for big data management
- Constructing the whole cluster of a PDF parsing service: PDFPARSER and PDFBox as the core components, RabbitMQ for assigning tasks, MongoDB for extracted content storage

BNQ, Shanghai, China

- Senior Backend Developer, May 2019 - now
- Developing the backend Server of the supply chain, analyzing sales data: Dubbo as the RPC, Spring Boot as the Framework, Pandas and Numpy for data analysis, Scikit-learn for small-scale dataset modeling, Tensorflow for deep learning