

## Xiao Luo

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CONTACT INFORMATION    No.230 Zhongbei Road, Wuhan, Hubei, China

E-mail: [luoxiaorose126@gmail.com](mailto:luoxiaorose126@gmail.com)    Phone: +8615072488162

Webpage: <https://xiaoluo-whu.github.io>

SELF DESCRIPTION    Ph.D. student wannabe, machine learning engineer, backend developer, loyal Ubuntu fan

JOB INTERESTS    I'm applying for 2020 fall Ph.D. programs in computer science

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) [\[Link\]](#) [\[Code\]](#)
2. Qianjin Zhou, Yuchen Yan, Tianhong Fang, **Xiao Luo**, Qinghu Chen. “Text-independent Printer Identification Based on Texture Synthesis”, Multimedia Tools and Applications, 75(10), pp:5557-5580, 2016. (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. [\[Link\]](#) [\[Code\]](#)

## WORKING EXPERIENCES

MoboTap, Wuhan, China

- Junior Backend Developer, July 2015 - November 2018
- Developing the backend server of a financial management app, analyzing user data: Netty as the framework, MySQL & Redis & MongoDB for storage, ETCD for synchronization, RabbitMQ for message queue, Docker for production deployment, Hive, Hadoop, HBase and Spark for big data management [\[Link\]](#)
- 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 [\[Link\]](#)

BNQ, Shanghai, China

- Senior Backend Developer, May 2019 - present
- Developing the backend Server of the supply chain: Dubbo as the RPC, Spring Boot as the Framework [\[Code\]](#)
- Analyzing data: Pandas and Numpy for data analysis, Scikit-learn for small-scale dataset modeling, Tensorflow for deep learning [\[Code\]](#)