

# Xiao Luo

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## RESEARCH INTERESTS

Software Engineering, Computer Vision, Machine Learning

## EDUCATION

**Wuhan University**, Wuhan, Hubei, China

- M.Sc. in Signal and Information Processing Sep 2012 – Jun 2015
  - Thesis: Print Document Identification Based on Texture Analysis
  - Adviser: Prof. Qinghu Chen
  - Focus: Pattern Recognition, Computer Vision.
  - Overall GPA: 3.94/4 (WES iGPA Calculator) Rank: top 1%

**Wuhan University**, Wuhan, Hubei, China

- B.E. in Electronic Information Engineering Sep 2008 – Jun 2012
  - Overall GPA: 3.66/4 (WES iGPA Calculator) Rank: 19/320

## PUBLICATIONS

My [Google Scholar](#)

1. Qianjin Zhou, Yuchen Yan, Tianhong Fang, Xiao Luo, Qinghu Chen. “Text-independent Printer Identification Based on Texture Synthesis”, *Multimedia Tools and Applications*, vol. 75, no. 10, pp. 5557–5580, May 2016. (SCI-Indexed) [\[Link\]](#)
2. Xiao Luo, Qinghu Chen, Yuchen Yan. “Printed Characters’ Texture Identification Based on Two-factor Analysis”, *Journal of Computational Information Systems*, vol. 11, no. 14, pp. 5199–5207, Jul 2015. (EI-Indexed) [\[Link\]](#) [\[Code\]](#)
3. Xiao Luo, Qinghu Chen, Qianjin Zhou, Yuchen Yan. “Synthesis and Evaluation of Toner’s Texture Based on Nonparametric Search”, *Science Technology and Engineering*, vol. 14, no. 17, pp. 248–252, Jun 2014. [\[Link\]](#) [\[Code\]](#)

## ENGLISH PROFICIENCY

- GRE: Verbal 163, Quantitative 170, Writing 4.0
- TOEFL: 112 (Reading 29, Listening 30, Speaking 25, Writing 28)

## SKILLS

- Coding Ability: Leetcode 500+ questions solved
- 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), Algorithm(Princeton)

## WORKING

BNQ, Shanghai, China

## EXPERIENCES

- 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 [\[Code\]](#)

MoboTap, Wuhan, China

- Junior Backend Developer Jul 2015 – Nov 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 [\[Link\]](#)