

# Li Mingxu

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Major: Software engineering

Research direction: Digital image processing



## Educational background

2015.9 – 2019.6	Jiangsu University of Science and Technology / Internet of things	Undergraduate
2019.9 to this day	Southwest Jiaotong University / Software engineering	Master's degree

## Practice and Research

**Paper (2019.06–2020.09)** **Chinese Journal of image and graphics** **First author**

**Title: Significance detection algorithm of irregular pixel clusters**

Innovation: Through irregular segmentation, texture features and color features are better used, while the algorithm speed is improved; new center priori is used to better rough position the target object and improve the accuracy of the algorithm.

**Practice work (2021.4 – 2021.7)** **Tencent WeiXin Group** **Quality Assurance**

**Name: WeCom**

WeCom is a software system which aim at making connection between business.

- Developing a series of testing cases about JSAPI, which applicable to multiple platforms, and **improve test efficiency more than 50%**.
- Get to know the different between research and engineering.

**Project (2017.10–2017.12)** **Tunnel authority** **Key developers**

**Name: Tunnel construction intelligent site integrated platform**

It serves Jishou tunnel of Zhang-ji-huai railway section, mainly including 3D scanning, steel structure quality traceability, document management, vehicle positioning and other functions.

- Responsible for the development of authority management and document management module.
- Difficulties: Concurrent processing, due to the low concurrency of files, pessimistic lock processing is adopted.

**Practice work (2017.7 – 2017.9)** **Shenzhen CLON Electronics CO. LTD** **Java Developer**

**Name: Hefei Qiaqia warehouse management system**

It serves for Qiaqia warehouse in Hefei, mainly including warehousing, sorting and discharging, and ex warehouse task.

- Optimize the delivery mode and improve the sorting efficiency. Test the warehousing process. Learn agile development, iterative development and other development models.

**Competition works (2017.4–2017.12)** **Portable air quality detector** **Key developers**

The application is developed for PM2.5 particle concentration detection and air quality prediction.

- Technical point: Mybatis, Android development client, communicates with BLE portable low-power Bluetooth.
- Difficulties: Fitting the air quality, and predict the air quality through the least square method combined with the factors affecting the air.

## Practice & Award

Award winning	National third prize of smart Internet competition, National second prize of mobile Internet competition, Second class scholarship for master's degree in 2019.
Student activities	Director of the Publicity Department of the school of computer science, member of the art troupe, excellent member of the troupe

## Skill

**Skill** Java, MySQL, python, C / C + +, JavaScript, Android development. Violin grade eight.