

# JIANG WENSI

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📍 HKUST, Clear Water Bay, Kowloon, Hong Kong ☎(852)-59707439

## EDUCATION

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**The Hong Kong University of Science and Technology, Hong Kong**  
*Research Assistant in DSA*

*September 2021 - June 2022(expected)*

**Central South University, Changsha, China**  
*BEng in Communication Engineering*

*September 2017 - June 2021*

## PROJECTS

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### **Blockchain-based Data Market**

- We propose a blockchain-based secure data trading marketplace for machine learning applications.
- Enable model security against curious data owners.
- Enable data security against curious model and data owners

### **Staff Face-swiping Attendance System**

- Use Baidu AI open platform for face comparison and database functions
- Use the OpenCV module to call the camera device to provide the input of the video stream
- Monitor and recognize faces.

## RESEARCH EXPERIENCE

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### **Privacy preserving in federal learning, HKUST**

*May 2021 - recently*

*PhD Student*

- Ensure the security of AI models and data
- Improve the ability of AI systems to resist attacks on AI computing platforms
- Resilience to malicious data owners who provide faulty results to poison model training

### **HKU/CS 2020 Summer Research Internship Programme, HKU**

*July 2020 -August 2020*

*Research Assistant*

- Propose a manageable and auditable access control framework for Decentralized Online Social Networks
- Use blockchain technology for the definition of privacy policies

## TECHNICAL SKILLS

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<b>Programming:</b>	Solidity, Python, Java, C++
<b>Software &amp; Tools:</b>	Matlab, Multisim, SQL Server, Visual Studio, Eclipse

## AWARD

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- Post Graduates Scholarship,HKUST,2021.
- Internship Scholarship, Hong Kong University, 2020.
- Third-Class Scholarship (top 15%), Central South University, 2019.
- First-Class Scholarship (top 4%), Central South University, 2018.
- Second class scholarship of Chen Guoda education fund (top 4%), Central South University,2018.

## PUBLICATIONS

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- Jiacheng Liang, **Wensi Jiang**, and Songze Li. Omnilytics: A blockchain-based secure data market for decentralized machine learning. FL-ICML, 2021.
- Wentai Lei, Mengdi Xu, Feifei Hou, **Wensi Jiang**, Chiyu Wang, Ye Zhao, Tiankun Xu, Yan Li, Yumei Zhao, and Wenjun Li. Calibration venus: An interactive camera calibration method based on search algorithm and pose decomposition.Electronics, 9(12):2170, 2020.