

JIANG WENSI

Email:wensi.jiang@connect.ust.hk

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

Targeting a 4-month, full-time internship position from 2022.08-2022.12

EDUCATION

The Hong Kong University of Science and Technology, Hong Kong

September 2021 - June 2025(expected)

MPhil in DSA

Central South University, Changsha, China

September 2017 - June 2021

BEng in Communication Engineering

PROJECTS

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

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

Programming: Python, Java, C++

Software & Tools: Matlab, Multisim, SQL Server, Visual Studio, Eclipse, Photoshop

AWARD

- 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

- 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.