

LI, YUJIE

+852 6882 1092 ◊ yljlc@connect.ust.hk

EDUCATION

The Hong Kong University of Science and Technology

2020.9 - Present

M.Sc. in Big Data Technology (CGA: N/A)

Related Coursework Foundations of Data Analytics, Text Mining, Introduction to Social Computing

Sun Yat-sen University

2016.8 - 2020.6

B.Eng. in Intelligence Science and Technology (GPA:3.6/4)

Related Coursework Machine Learning, Natural Language Processing, Principles of Artificial Intelligence, Principles of Artificial Neural Networks

Minor in Politics and Administration (GPA:3.6/4)

Related Coursework Hong Kong Government and Politics, Electronic Government

RESEARCH EXPERIENCE (SOCIAL SCIENCE RELATED)

Predicting Social Unrest by Social Network: Using Data of Hong Kong LIHKG Forum

Research Assistant, Supervised by Prof. XIA Ying

2020.11 - Present

- Responsible for data crawling, cleaning and establishing prediction system.
- Using social computing technology to predict social unrest by mapping relations between users.

Measuring Media Slant: Using Data of Daily Newspaper in Post-handover Hong Kong

Research Assistant, Supervised by Prof. XIA Ying

2020.8 - 2020.11

- Prospective second author, undertaking most of the data processing and analysis work in the project. Completed more than 3000 lines of Python codes and processed more than one gigabyte of texts.
- Using natural language processing technology and topic modelling to analyze the similarity between different media.

Mathematical Modeling: Evaluation of Information Technology Governance Ability of Chinese Local Governments

Supervised by Prof. ZHENG Yueping

2019.11 - 2020.1

- Responsible for data transformation, analysis and mathematical modeling.
- Building an evaluation system by using the multi-attribute decision-making method based on information entropy.

RESEARCH EXPERIENCE (OTHERS)

Design and Implementation of Horizontal Federated Learning Algorithm for Privacy Protection Based on TextCNN

Supervised by Prof. TIAN Haibo

2019.11 - 2020.5

- Using the combination of secure multi-party computing technology and machine learning technology to design a federated learning text classification model training scheme for privacy protection.

Generative Adversarial Network Restricted to Local Image Information Transformation

Supervised by Prof. ZHUO Hankui

2018.5 - 2018.8

- Using GAN to research into the validity of video recognition algorithm for pedestrians camouflaged by obstacles or patterns.

SKILLS

Language	Mandarin (Native), English (IELTS 7.5)
Coding	Python, C/C++, C#, Stata, \LaTeX
Platform	Pytorch, Spark, Scikit-learn, NetworkX, DGL

AWARDS AND RECOGNITIONS

- Excellence Award in 2020 "Government Affairs Concern" Provincial Social Research Contest (*top 12%*)
- Second Prize in 2019 Sun Yat-sen University Computer Programming Competition (*top 10%*)
- Second Prize in 2018 Sun Yat-sen University Computer Programming Competition (*top 10%*)
- Second Prize in 2017 Sun Yat-sen University Novice Computer Programming Competition (*top 12%*)