

# FANG Keyuan

kfang087@connect.hkust-gz.edu.cn · [Google Scholar](#) · +86-18520174547

## Research Interests

Computational Social Science, Digital Government, Artificial Intelligence, Natural Language Processing, Large Language Models

## Publications

- 2024-03 **Detecting Digital Government Answer Quality: an Integrated Method Based on Large Language Models and Machine Learning Models** ([Paper Link](#), selected as ACM AI Professional Showcases)  
FANG Keyuan, CHAI Yuan, Corey Kewei XU\*.  
*2024 Asia Conference on Algorithms, Computing and Machine Learning.*
- 2023-11 **Automating Government Response to Citizens' Questions: A Large Language Model-Based Question-Answering Guidance Generation System** ([Paper Link](#))  
FANG Keyuan, Corey Kewei XU\*.  
*2023 International Conference on Digital Society and Intelligent Systems (DSInS).*
- 2024-07 **Predicting Time Series with Adjusting Feature Weight: An Integrated Method Based on Large Language Models and SHAP**  
FANG Keyuan, Corey Kewei XU\*.  
*2024 7th International Conference on Machine Learning and Natural Language Processing (MLNLP).*
- 2024-05 **Improve Issue-Handling Efficiency in Digital Governments: an Automatic Issue Classification and Distribution System Based on BERT** (Submitted and Under Review)  
FANG Keyuan, Corey Kewei XU\*.
- 2024-09 **Investigating the Loss and Secondary Effect of Road Collisions Using BERT based on Social Media Data** (Submitted and Under Review)  
FANG Keyuan, CHANG Haoliang, Corey Kewei XU\*.

## Patents & Copyrights

- 2024-06 **[Copyright] A government-issue distribution system based on multi-label attribute sorting ([Link](#))**  
FANG Keyuan, Corey Kewei XU.  
*Code: 2024SR1173138.*
- 2024-06 **[Copyright] A BERT-based citizen issue attribute information prediction system ([Link](#))**  
FANG Keyuan, Corey Kewei XU.  
*Code: 2024SR0795693.*
- 2024-04 **[Copyright] A Quality Detection System of Answers to Citizens' Questions Based on Large Language Models and Machine Learning for Digital Governments ([Link](#))**  
FANG Keyuan, Corey Kewei XU.  
*Code: 2024SR0561987.*
- 2023-10 **[Patent] A Digital Government Response System Based on Large Language Models and Generation Classification (on Application)**  
FANG Keyuan, Corey Kewei XU.  
*Code: GZ.PA.00073.*
- 2023-09 **[Copyright] A Citizen Message Response Guidance Generation System Based on Large Language Models ([Link](#))**  
FANG Keyuan, Corey Kewei XU.  
*Code: 2023SR1694884.*