

# Jingxuan Huang

+86 188-5119-0581 | [jxhuang\\_carol@outlook.com](mailto:jxhuang_carol@outlook.com) | [Carol H](#)

## EDUCATION

### Nanjing University (NJU)

Nanjing, China

B.Mgmt. in *Information Management and Information Systems*

Sep.2018-Jun.2022 (Expected)

- GPA: **4.65/5.00 Rank: 1/56**
  - **Core courses:** *Discrete Math, Data Structures, Algorithm Analysis, C++ and Object-Oriented Programming, Database, Data Mining*
  - **Programming:** Python, C/C++, SQL, R, Git
- Test: TOEFL (110), GRE (164+169+4.0)

## PUBLICATION

[1] **Jingxuan Huang**, Lele Kang, Yiyang Bian. (2021) [How Blockchain Innovations Emerge: From the Perspective of Knowledge Search](#). HCI in Business, Government and Organizations. HCII 2021. Lecture Notes in Computer Science, vol 12783, pp 181-196.

[2] **Jingxuan Huang**, Lele Kang. (2021) *Entangling Knowledge Search and Innovation Targets for Inventing Blockchain Technologies*. International Journal of Information Management (IJIM) (Submitted)

## RESEARCH EXPERIENCE

Interest: **Data Management, Data Mining**

[Data Science Research Group](#), Simon Fraser University, Canada

Apr.2021 – Sep.2021

Summer Research Intern, Supervised by Prof. [Jiannan Wang](#) (Remote Working)

- Participated in [DataPrep](#), a powerful Python library to prepare data for data scientists. Aimed to develop new methods of cleaning data with semantics.
- Proposed a strategy to infer column headers with features extracted by functions in the library.
- Implemented and optimized new functions for cleaning and validating language, and further developed 100+ clean functions to diversify the library.
- Resolved issues from the community and tested existing clean functions to find and fix limitations.

**Institute of Data Research in Humanities and Social Sciences**, NJU

Jul.2019 – Feb.2021

Undergraduate Research Assistant, Supervised by Prof. [Lele Kang](#)

- Focused on the issue of *Blockchain Ecosystems and Communities in Finance*. Wrangled and analyzed a mass of data in PATSTAT, a patent statistical database.
- Discovered and used quantitative approaches to prove the impacts of different search behavior on the Blockchain innovations.
- Produced a workshop paper and gave a presentation in SIGBPS, then published a conference paper on HCII 2021.

## WORK EXPERIENCE

**Microsoft Research Asia (MSRA)**

Oct.2021-Mar.2022 (Expected)

Research Intern, Supervised by [Weiwei Cui](#) and [Yeye He](#) (in Microsoft Research, Redmond, USA)

- Merged heterogeneous tables and discovered trustworthy Data Quality rules using knowledge acquired from the data lake.
- Manipulated massive datasets and boosted efficiency with parallel processing.

## Teaching Assistant

**Course:** *Theory and Application for Data Science* (MOOC online)

*Jul.2020 – Nov.2020*

- Prepared slides, speeches for 6 sections about Clustering and Recommender Systems.
- Demonstrated how to implement clustering algorithms in R language to students in detail.

## PRESENTATION

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**Jingxuan Huang, Lele Kang.** (2020) *How Corporations React to New Technology Advancement: The Case of Blockchain*. Pre-AMCIS SIGBPS Workshop on Blockchain and Financial Analytics, Online.

## PROJECT EXPERIENCE

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**Online Ordering System with Smart Recommendation Strategy**

*Jan.2020-Mar.2020*

**Designer, Developer.** [Github](#)

- Designed an online coffee ordering system in Python with a user-friendly GUI.
- Realized the recommendation strategy based on FP-Growth algorithm and frequent patterns.

## HONOR & AWARDS

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- **Provincial-Level Merit Student, Education Dept. of Jiangsu Province (Top 0.3%)** *May.2021*
- **Duxia Foundation Scholarship, NJU (Awarded to only 6 students in NJU)** *Jun.2020*
- **National Scholarship, Chinese Ministry of Education (Top 0.2%)** *Oct.2019*