

Siyang Quan (Suyo)

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<https://suyoatucel.github.io/>

EDUCATION

University College London

London, United Kingdom

Master of Arts in Digital Humanities (Predicted Merit or Distinction)

Sep. 2023 – Sep. 2024

Peking University

Beijing, China

Bachelor of History

Aug. 2019 – Jul. 2023

GPA: 85.43%

Class Rank: 14/83

Thesis Topic: A Comparative Study of the Construction of "Fascist" Discourse in the Chinese and British Mainstream Media in 1978: A Critical Discourse Analysis with the *People's Daily* and *The Times* as Examples

Peking University (Health Science Center)

Beijing, China

Bachelor of Science

Aug. 2018 – Jul. 2023

GPA: 82.54%

Class Rank: 17/90

Thesis Topic: Study on the Group of Male Nursing Staff in Beijing during the Early Period of the People's Republic of China

PUBLICATIONS

Quan, S. (2022). Historical Evolution of Anti-epidemic Measures in Republican Guangzhou: A Textual Analysis Based on Historical Resources. In Shelley, M., Akerson, V. & Sahin, I. (Eds.), *Proceedings of International Conference on Social and Education Sciences 2022* (pp. 251-281). ISTES Organization.

- **Topic:** Analyzing anti-epidemic measures in Republican Guangzhou's public health history.
- **Methodology:** Uses natural language processing for data cleaning and word separation, and grounded theory for coding data into categories like behavioral subjects, diseases, and measures.
- **Analysis:** Conducts time series and social network analyses to identify stages and characteristics of Guangzhou's anti-epidemic measures.
- **Findings:** Identifies four key periods in the epidemic's history, with the Health Bureau playing a central role in prevention.
- **Significance:** Provides a new method for studying early modern China's public health history through textual analysis.

ACADEMIC ACTIVITIES

Big Data Analysis Platform for Classical Literature Project

Sep. 2021 – Mar. 2022

Member of Professor Wang Jun's Team at the Center for Digital Humanities, Peking University

- Project: Big Data Analysis Platform for Classical Documents (<https://reuse.pkudh.org/>)
- Selected, analyzed, and inputted texts.
- Responsible for the back-end development of the platform with Django and front-end development with React and Vue.js.
- Realized interactive visualization of the phenomenon and rhetorical devices related to intertextuality in the Analects of Confucius.

Collection and Digitization Project of Oral History Materials and Dialect Archives in Lingbei Township, Suixi County

Mar. 2020 – Jun. 2020

Student of Department of History, Peking University

- Conducted field research, collected oral history data of several families since the late 19th century.
- Uploaded audio and text files to a React-based web project via Tomcat.

Summer Social Practice: Fieldwork on Jizhao Language

Jul. 2020 – Aug. 2020

Member of the Study Group from Dept. of Minority Languages and Literatures, Minzu University of China

- Jizhao, an endangered Kra-Dai language spoken by an unidentified ethnic group in Guangdong Province, is currently spoken by only six native speakers over the age of 60.
- Responsible for interviewing the six native speakers of Jizhao language.
- Collected Swadesh's 200 core words of Jizhao language with professional recording equipment and compilation of audio resources.
- The results of the survey were recorded into the collection and display platform of the China Language Resources Preservation Project (<https://zhongguoyuyan.cn/point/62868>).

Information Collection and Sharing Online Platform Project

Sep. 2020 – Nov. 2020

Member of Professor Wang Guoping's Team, School of Information Science and Technology, Peking University

- Collected information from major websites and compiled them into one navigational site.
- Participated in the front and back-end development of websites using Python tools such as Beautiful Soup, Ajax, and MySQL databases.

PROFESSIONAL EXPERIENCES

Baidu Cloud Computing Technology (Beijing) Co., Beijing

Mar. 2022 – Jun. 2022

NLP (Natural Language Processing) Intern

- Developed visual modeling components and operators for Baidu's full-featured AI development platform (BML).
- Improved the entity analysis operator, lexical analysis operator, and Chinese DNN language modeling operator to enhance the system for better language understanding.

Document Digitization Group, Center for Preservation and Protection of Internet Information Resources, National Library of China, Beijing

Jan. 2022 – Mar. 2022

Intern

- Project: Resource Base of Ancient Chinese Books (<http://read.nlc.cn/thematDataSearch/toGujiIndex>)
- Designed and optimized the information retrieval system for literature resources.
- Used Scrapy, a web-crawling tool, to extract online literature materials and established text indexing and the search engine framework through PyLucene.
- Optimized the search response time of the repository and improved the comprehensiveness and accuracy when searching with keywords in classical or early modern Chinese.

EXTRACURRICULAR ACTIVITIES

- Editor for the "Linguistic Geography" section of the website Gu Yin Xiao Jing (kaom.net) (ID: MISAKA)
- Content creator of Zhihu, a Q&A Platform, to regularly update historical linguistic and archaeological articles on Min Chinese and ancient Sino-Tibetan languages, with up to 1,000 followers (<https://www.zhihu.com/people/triehho>)
- Person in Charge, Beijing, "Investigation Mission of PKUHSC to Beijing, Shanxi, Sichuan, Guangdong and Guangxi to resume Work and Production" (Won the 1st Prize of Summer Social Practice of Peking University Health Science Center)

- Columnist to the WeChat Official Account "Cold Weapon Institute"
- Head of New Media Agency, Publicity Department of the Student Union, Peking University Health Science Center (2019-2020)
- Participant of the International Seminar on Digital Humanities of East Asian Classics (online) held by the Institute of Chinese Language Education, Dankook University, Korea (05.2021)

AWARDS & HONORS

- Luye Scholarship in Peking University Health Science Center for the 2021-2022 Academic Year 09/2022
- Peking University Academic Excellence Award for the 2021-2022 Academic Year 09/2022
- Outstanding Camper, Summer Camp for Outstanding Undergraduate held by School of Humanities, Tsinghua University (Rank: 14/62) 08/2022
- Outstanding Participant, Summer Camp for Chinese History held by School of Humanities, Shanghai Jiao Tong University (Rank: 8/23) 08/2022
- Honorable Mention, American College Mathematical Modeling Competition (MCM/ICM) 05/2022
- Third Prize, the 30th Peking University Challenge Cup (2021-2022): Research on the Historical Evolution of Anti-epidemic Measures in Republican Guangzhou: A Quantitative Analysis 05/2022
- Third Prize, 11th Asia and Pacific Mathematical Contest in Modeling (APMCM) 02/2022
- Third Prize, the 29th Peking University Challenge Cup (2020-2021): Knowledge Mapping Analysis based on Text Mining 05/2021
- Peking University Social Work Award for the 2019-2020 Academic Year 09/2020
- First Prize, 2020 Summer Social Practice Competition of Peking University Health Science Center: "Resumption of Work and Production of Enterprises in Beijing, Shanxi, Sichuan, Guangdong and Guangxi: A Survey from the Field-Study Group" 08/2020
- First Prize, Peking University Medical School Student Innovation Experimental Project (2019-2020) & 2020 National Student Innovation and Entrepreneurship Training Program 06/2020

LANGUAGE SKILLS

Highly Proficient: Hokkien, Hakka, Cantonese, Mandarin

Proficient: Japanese (JLPT N2), Kazakh

Basic: German, French, Ancient Greek, Latin, Ancient Egyptian

OTHER SKILLS

Computer skill: National Computer Rank Examination Level 2

Diving skill: PADI OW (Open Water Diver)