

# Xinyue Zhang

UNDERGRADUATE STUDENT FINDING PH.D POSITIONS

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## Education

### Southeast University

BACHELOR OF ELECTRONIC SCIENCE AND ENGINEERING

- GPA: 85/100.
- Join the Knowledge Graph Research Group in Sep 2019, supervised by Dr. Meng Wang.

Sep. 2017 - Jun. 2021 (expected)

Nanjing, China

### Imperial College London

DATA SCIENCE SUMMER SCHOOL (HELD BY PROF. YIKE GUO)

- Experience study abroad and finally make up my mind to do research.

Jul. 2019 - Aug. 2019

London, Britain

## Publications

### ISWC2020

RESEARCH TRACK

- **Xinyue Zhang**, Meng Wang\*, Muhammad Saleem, Axel-Cyrille Ngonga Ngomo, Guilin Qi, and Haofen Wang. Revealing Secrets in SPARQL Session Level. International Semantic Web Conference (ISWC 2020). (\*: Corresponding Author)

Aug. 2020

virtual

### APWEB-WAIM2020

RESEARCH TRACK

- **Xinyue Zhang**, Meng Wang\*, Bingchen Zhao, Ruyang Liu, Jingyuan Zhang, Han Yang. Characterizing Robotic and Organic Query in SPARQL Search Sessions. APWeb-WAIM 2020. (\*: Corresponding Author)

Apr. 2020

virtual

## Research Experience

### Studying user search behaviors in SPARQL session level

SUPERVISED BY DR. MENG WANG

- Designed an algorithm to identify robotic queries to eliminate their interference in the data analysis of user behaviors. This algorithm has been published in **APWeb-WAIM2020**.
- Defined the concept of SPARQL search session and how to identify it.
- Investigated potential correlations between SPARQL queries and provided analysis of query reformulations in a given search session.
- Provided an example of how the findings can be used to illustrate the potentiality of utilizing user behaviors in a search session.
- This work has been published in **ISWC2020**.

Nanjing, China

Jan. 2020 - May. 2020

### Sci-Magi Search Engine

SUPERVISED BY DR. MENG WANG

- The objection is to build an academic search engine that has the power of *Magi*.
- Our team was responsible for building an ontology for all the academic fields, like computer science ontology (CSO). Specifically, my job is to collect and pre-process academic data, as well as mining basic relations between academic keywords.

Nanjing, China

Nov. 2020 - ongoing

## Projects

### Real-time Style Transfer Glasses

SUPERVISED BY A.P. JUN WU (CHINESE WEBSITE) IN THIS LAB

- It was a Student Research Training Program (S RTP) Project in National Level, in which I served as the **team leader**.
- Employed a device that can transfer the style of scenes in real time and display the results on the glasses.
- Obtained a Chinese **Utility Model Patent** of *head-mounted style transfer device* (2019211895013).

Nanjing, China

Oct. 2018 - Aug. 2020

## Research Interests

### I'm interested in the following areas:

BUT NOT LIMITED TO

- Knowledge Graphs (KG)
- Semantic Search
- Information retrieval
- User search behaviors
- Graph data analysis