Xinyue **Zhang**

UNDERGRADUATE STUDENT SEEKING A PH.D POSITION STARTING FROM 2021 FALL

SiPaiLou campus, Southeast University, Nanjing, China

☐ (+86) 137-5390-1285 | ✉ xyzhang.gm@gmail.com | 🏠 xinyuezhang.xyz | 🌐 verbubble

Education

Southeast University   *Sep. 2017 - Jun. 2021 (expected)*

BACHELOR OF ELECTRONIC SCIENCE AND ENGINEERING   *Nanjing, China*

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

Imperial College London   *Jul. 2019 - Aug. 2019*

DATA SCIENCE SUMMER SCHOOL (HELD BY PROF. YIKE GUO)   *London, Britain*

- Experienced study abroad and finally made up my mind to do research.

Publications

ISWC 2020   *Aug. 2020*

RESEARCH TRACK   *virtual*

- **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).

APWEB-WAIM 2020   *Apr. 2020*

RESEARCH TRACK   *virtual*

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

Research Experience

Studying user search behaviors in SPARQL session level   *Jan. 2020 - May. 2020*

SUPERVISED BY PROF. MENG WANG   *Nanjing, China*

- 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-WAIM 2020**.
- 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 application example of how these findings can be used to illustrate the potentiality of utilizing user behaviors in a search session.
- This work has been published in **ISWC 2020**.

Sci-Magi Search Engine   *Nov. 2019 - ongoing*

SUPERVISED BY PROF. MENG WANG   *Nanjing, China*

- The goal is to build an academic search engine that has the power of *Magi*.
- Our team is 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.

Projects

Real-time Style Transfer Glasses   *Oct. 2018 - Aug. 2020*

SUPERVISED BY PROF. JUN WU (CHINESE WEBSITE) IN THIS LAB   *Nanjing, China*

- It was a Student Research Training Program (SRTP) Project at 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).

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