

# KEQIN PENG

Artificial Intelligence of Beijing Normal University

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## SHORT BIO

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Keqin Peng graduated from the School of Artificial Intelligence of Beijing Normal University with a Bachelor of Science degree in July 2022.

His main research interests include the application and improvement of natural language processing methods, focusing on document-level information extraction and mining. Including named entity recognition, entity relationship extraction, event extraction, text summarization, etc.

## EDUCATION

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**Beijing Normal University**

*Beijing, China*

Undergraduate students, *Department of Artificial Intelligence*

*2018 - 2022*

Courses related to my research interests:

Principles of Database Systems: (98/100), Python programming: (94/100), Data Mining: (88/100),  
Software Engineering: (86/100)

## PAPERS

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**U-Net with depthwise separable convolutions and big kernels for document-level relation extraction :**

Rongen Yan, *Keqin Peng* Depeng Dang

2023 11th Transactions of the Association for Computational Linguistics. [Reviewing]

**Document-level relation extraction with less redundant image-style feature :**

Rongen Yan, Ning Ma *Keqin Peng* Depeng Dang

2023 11th Transactions of the Association for Computational Linguistics. [Reviewing]

**Research on Multi-Document Summary Generation Method Based on Event Structure:**

*Keqin Peng* Xuesong Wang

Beijing Normal University Graduation Thesis

## EXPERIENCE

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**Institute of Artificial Intelligence Industry, Tsinghua University:**

NLP group leader

*2022.7 to present*

Direction Automatic extraction of medical laboratory procedures from text and optimization

**Beijing Normal University:**

Participants

*2022.03-2022.07*

Direction Document-level relationship extraction method improvement

**Beijing Normal University:**

Project host

*2020.10-2022.02*

Direction Multi-Documents automatic summary generation method improvement

## PROJECTS

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### Research task publishing platform

Database leader

03.2021-05.2021

Independent Exploration Project for Undergraduates of Beijing Normal University

- Students interested in interdisciplinary research assignments struggle to find centralized research job postings, and faculty face difficulties. We developed a research assignment posting platform to help match students and faculty who need interdisciplinary research collaboration.
- The platform contains and displays information about research assignments posted by faculty, including assignment descriptions, deadlines, number of students needed, and relevant majors. It also pushes the applications that match the majors to the teachers for judgment and selection.
- Database development is mainly responsible for setting up the database, daily maintenance and monitoring, and making changes to the database structure, tracking, and optimizing operations according to project needs.

## SKILLS

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### Programming Languages and Tools

C, C++, Python, JAVA, PostgreSQL, LaTeX

### Language

Mandarin (local), English (fluent)

### Interest

Host (Third Winner in the sixteenth Host Contest of Beijing Normal University); Perform talk show; Play saxophone

## ACTIVITIES

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Programmer at Mathematical Contest in Modeling

Jan. 2021-Feb. 2021

Transformed mathematical models and tools to executable code.

Volunteer Teacher Leader of Math Team at Hequ Hope Primary School

Jan. 2019

Designed teaching plans and curriculum; taught math to pupils; organized math tests.