QianRuan

PhD Candidate in Computer Science with an interdisciplinary background in Linguistics, DL & NLP

Github
QianRuan

Google Scholar
QianRuan

E-Mail
qianruan.work@gmail.com

Natrual Languages
Chinese ★★★★★
English ★★★★☆
German ★★★★☆

Programming Languages
Python/Tensorflow /PyTorch ★★★★☆
Spark/Flink ★★★★☆
SQL/JDBC ★★★★☆
R ★★★☆☆
Java ★★★☆☆

Domain Knowledge
NLP ★★★★☆
Deep Learning ★★★★☆
Data Science ★★★★☆
Data Engineering ★★★★☆
Linguistics ★★★☆☆
Economics and Business ★★★☆☆

Education

2022 -   **PhD Candidate, Computer Science**   TU Darmstadt, Germany
My current research interests focus on natural language processing and natural language generation, particularly in language modeling, text summarization and text generation.

2021   **M.Sc., Data Science and Engineering Track**   TU Berlin, Germany
Major fields of study: Data Science and Data Engineering, Deep Learning and NLP. Master thesis: Encoding hierarchical text structure in pre-trained language models for text summarization, grade: 1.0. A paper based on the thesis is published in the Findings of ACL2022.

2019   **B.Sc. in Business Informatics**   TU Berlin, Germany
Major fields of study: computer science, business intelligence, information systems and database. Bachelor thesis: Learning Domain-specific German Word Embeddings from Legal and Regulatory Texts, grade: 1.0.

2014   **B.A. in German Literature and Linguistics**   Peking University, China
Major fields of study: Syntax, Semantics and German Literature

Publication

2022   **ACL2022 Findings**
Qian Ruan, Malte Ostendorff, and Georg Rehm. 2022. HiStruct+: Improving Extractive Text Summarization with Hierarchical Structure Information. In: Findings of the Association for Computational Linguistics.

Work experience

2022 -   **Doctoral researcher, UKP Lab**   TU Darmstadt, Darmstadt

2021   **Research assistant, speech and language technology group**   DFKI, Berlin

2018   **Working student, text mining group**   Deloitte Analytics Institute, Berlin

2017   **Intern, data engineering group**   Deloitte Analytics Institute, Berlin