Dou Liu

Education

Bachelor of Computer Science, Xi'an Jiaotong University, Xi'an, China

SEPTEMBER 2015 — JUNE 2019

Siyuan scholarship for academic excellence 2017--2018

Second prize in Mathematical Model Competition held by Xi'an Jiaotong University

Master of Computer Science, University of Twente, Enschede, Netherlands

SEPTEMBER 2019 — PRESENT

Majored in Data Science Technology and expected to graduate in November 2021

Internships

NLP Algorithm Engineer, Mendeley, Elsevier B.V., Amsterdam

NOVEMBER 2020 — FEBRUARY 2021

Full time. Analyzed existing Mendeley query log for future study and implemented Deep Learning algorithm, hierarchical encoder-decoder (HRED), on the query logs for query suggestion.

Project and Research Experience

Rewriting Fictional Texts, Enschede

APRIL 2020 — JULY 2020

Created a model for rewriting fictional texts using natural languages technologies to help the study of gender bias in text.

The paper of this project has been published by the *International Conference on Text, Speech, and Dialogue* (TSD 2021) and I am the major contributor and first author.

The web demo and source code are available.

Knowledge Driven Conversational Virtual Museum Guide, Enschede

APRIL 2021 — PRESENT

My graduate thesis aims building a knowledge graph based conversational agent in a virtual museum exhibition to guide the visiting , answer factual questions and share knowledge to visitors.

The agent is based on Google Dialogflow, and our integration is nominated as one of the top submissions by Google Dialogflow Team.

The web demo and source code for this project is available.

Research Assistant at the University of Groningen, Groningen

JUNE 2020 — PRESENT

Python data crawling on dynamic web.

Business data processing, simulation and analysis using R and Python.

Details

Groningen, 9745DK
Netherlands
+31 626145186
d.liu-2@student.utwente.nl

NATIONALITY

Chinese

Skills

Python

Natural Language Processing

Machine Learning

SQL

Git

R

Languages

Chinese

English

Dutch