DEJIAN WANG

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WORKING EXPERIENCE

BYWIN CO., LTD   Fuzhou, China
Web software internship in IT Department   May. 2018 – Aug. 2018
- Assisted senior developer to analyze the requirement (NLTK tool) and write visual document for stakeholder.
- Support AI group by refining raw model using concurrent computation machine learning tool (scikit-learn, adjust hyperparameter). The outcome after training successfully reduced the false positive rate from 18% to 12% (model used KNN + AdaBoost).
- Using java spring framework (mainly bean and xml) to build customer required functionality class and corresponding UI button (account register) in a mature online platform. http://www.bywin.cn/solution/gysj.htm.
- Agile development environment.

EDUCATION

UNIVERSITY OF Concordia

Montreal, Canada
Master of Science – Master Applied of Computer Science   Oct.2022

UNIVERSITY OF Concordia

Bachelor of Science – Computer Science General Program   Dec.2020

Paper publication:

- 2022 in Journal of Computers, Annolog: A Query Processing Framework for Modelling and Reasoning with Annotated Data (author: Haochen Zou, Dejian Wang, Yang Xiao). Paper Code: 202205270001.

IN SCHOOL-PROJECT

Project Link: https://github.com/DeW-Master
Full Stack Project:
- Online movie recommendation system: my first distribution system (team of 5, teamleader), deployed online successfully. **My role isdesigning the concurrent threads which support multiple (up to 4) users ask for service at same time**. The challenge is asynchronous inquires will cost huge computation when initialize the server which kill all threads, because server need time to train first model at the beginning.
Other Project:
- Nature Language Process: the project (team of 2, teamleader) is to build a search engine with sentimental analysis. The input used web-crawler to extract information from websites under certain URL domain, after processing and removing the noise information,the result will be included both target word and target URL address. **My role is to design and code the search engine which includes pre-process; words segmentation; bigram dictionary build; dictionary compression; sentimental analysis; top10 results display, and the precision rate was 83.33% compared to class average 71%.**
- Natural Language Analysis: This individual project is about to revisit grammatical facts about English and transform stipulated and observed structures for text. The main purpose is to **develop NLP pipelines to preprocess data, and to use grammatical notions toimprove classification outcomes** (positive, negative, neutral sentiment). **The project result compared to traditional SSAP analysis (facebook used) is better at classifying the random topic conversation sentimental analysis** (more in appendix).

SKILLS

Skills:

- Database: MySQL; MongoDB(self-learn).

- Backend: Java; C++; Python; Java spring(self-learn); Python flask; Junit5.

- Frontend: JavaScript; html5; CSS.

- Other: Scikit-learn(self-learn); Git; TeamScale(maintenance tool); Nature Language process/analysis(NLTK).
- Language: English(Fluent); Mandarin(Native Speaker); French(Entry).