Siyuan Xu

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Education

Nanjing University, Computer Science   **2019-2023**
·   GPA: 4.50/5.0   (rank 6/190)，CET-6: 604，   IELTS:7.0

Honors and Awards

·   People's Scholarship (top 3% of the year)
·   Yang Yong Man Scholarship
·   FOR-U Scholarship
·   Outstanding Student in Social Practice
·   Outstanding student of Year

Research Experience

Study in Websoft Group in Nanjing University.   **April.2022-Jul.2022**
·   Learn about machine learning.
·   Paper reading and study:
·   Lear about some classical models like Transformer and Bert and some logical reasoning algorithms like DAGN, LReasoner, AdaLOGN

Since Sep.2022, I will study in NLP Group in Nanjing University

Projects

Character relationship mining in *Journey to the* West   **Feb.2022-Jul.2022**
·   The goal of this program is Mining the relationship between characters in the novel and ranking the importance of the characters. We mainly leverage MapReduce techniques, and implement functionalities including pretreatment, PageRank Algorithm for character importance analysis , LPA for Label Propagation.

Implement a c-- compiler (use c language)   **Sep.2021-Dec.2021**
·   The project is mainly composed of the following 4 parts, of which part2 and part3 are the main parts and have high requirements for programming
·   1. Use Lex and Bison as parser and scanner generators to build the syntax tree.
·   2. Implement a symbol table with linked lists and a stack, store array and structure data with a linked list structure
·   3. Traverse the syntax tree to complete syntax-directed translation

- 4. generate assembly code according to the intermediate code

A python project that simulates computer network work   Feb.2020-Jul.2020
- Use mininet to simulate a network structure, use the API provided by Switchyard to realize the function of computer network, and use wireshark to capture packets to check the results

Internship

July.2022   Worked as an intern in the Data Department of ByteDance
- Use the open-source tool k6 to do load test on Tester and Finder,   observing the usage of CPU and memory and correctness of functionalities by Grafana Cloud.

Extracurricular Activities

Organize and participate in a volunteer activity in Heyuan   Aug.2021
- During the vocation, our team led primary school students to experience programming and solve the problems of using electronic products for the elderly.
- We won the first place for this project in the competition of our department.