Huidong Xu

✉ HuiD_Xu@163.com · ☎ (+86) 19821870756 · ⌗ WilliamX1

🎓 Education

Shanghai Jiao Tong University (SJTU), Shanghai, China   Sep. 2019 – Present

B.S. in Software Engineering (SE), expected July 2023
Major Scores: 88.65 / 100, Major GPA: 3.81 / 4.3, Top 20%

👥 Open-Source Projects

Tiger Compiler   Mar. 2021 - Jul. 2021

- A student project compiler reference to Princeton Tiger Compiler.
- Include an abstract syntax tree, instruction selection independent of register allocation, copy propagation and prevention of dependencies on specific targets machine method.
- Can generate complete assembly code.

Chfs File System   Mar. 2021 - Jul. 2021

- A basic file system that implements fundamental system API such as READ / WRITE / UNLINK.
- Implement MapReduce based on Chfs that can count words on distributed systems via RPC calls.
- Implement Raft (distributed, fault tolerance key-value store) based of Chfs.

Bookstore Website   Feb. 2021 - Jan. 2022

- A native bookstore website implemented using Vue, Spring Boot and MySQL.
- Implement basic function like login, search books and make orders.
- Make some performance optimization like Transaction, Nginx and MapReduce.

PassThemOn Android App (Teamwork)   July. 2021 - Sep. 2021

- An android app implemented using React Native, Spring Boot and MySQL.
- Implement basic function like post goods, search goods, make orders, chat and evaluate.
- Mainly responsible for crawling data from current website using Scrapy and coding test, also undertake part of development tasks.

⚙ Skills

- Programming Languages: C/C++ > Python > Matlab == Java
- Tools: Latex / Markdown / MS Office

♡ Honors and Awards

- Class Monitor   2019 - present
- Merit Student, Excellent League Member   2020
- Chandler-Chi Family Scholarship, B-level School Scholarship   2020
- Electric Academy Heritage Fund Scholarship, B-level School Scholarship   2021

ℹ Miscellaneous

- GitHub: https://github.com/WilliamX1
- Languages: English - Fluent, Chinese - Native speaker