BohongZhao

Undergraduate | Southern University of Science and Technology

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languages

Chinese **Native**
English **Fluency**
Japanese **Beginner**

programming

Competent
♥ Python
Java, C++

Novice
CSS3 & HTML5
Kotlin, Dart
SQL, PHP, JavaSciprt
Bash/Shell, Spim
MATLAB, LaTeX

IDE&editor

♥ PyCharm
PHPStorm

♥ VSCode
Vim
Sublime

last updated

April 26, 2019

education

The University of British Columbia, Vancouver BC Canada   Jul. 2018 – Aug. 2018
Summer Program
Studied computer science courses (algorithm & webapp).

Southern University of Science and Technology(SUSTech), Shenzhen China   Sep. 2016 – Jul. 2020
B.S. *in Computer Science and Engineering*
Relavent courses: Data Structures and Algorithms Analysis, Discrete Mathematics, Digital Logic, Computer System Design and Application, Computer Organization Principle, Database Principle, Probability and Statistics, Artificial Intelligence, Computer Networks, Embedded System and Microcomputer Principle, Object-oriented Analysis and Design, Software Engineering (currently taking), C/C++ Programming Design

experience

DOODO (Beijing) Ltd   Aug. 2017
Part Time Assistant
- Worked in DOODO (Beijing) Ltd and helped to create classification of user potrait.

awards

Best Student Assistant   Jun. 2017 – Jun. 2018
Southern University of Science and Technology
Awarded to the outstanding student assistants for helping tutor with college affairs and helping new student get into campus life.

Undergraduate Scholarship   Sep. 2016
Southern University of Science and Technology
Awarded to the top students at the beginning of the undergraduate.

research

Parallel Implementation of MOEA/D and its Application to Feature Selection   Sep. 2018 – present
In progress
- lang: Python

Team researching project under prof. Prof. Hisao Ishibuchi's instruction. Evolutionary algorithm has progressive effect recent years when working on feature selection which is the most important part of machine learning and data mining. This project aims to create parallel environment for MOEA/D algorithm, using island model and find out an effective ways which partial data would used for communication. We use feature selection to verify our proposal in the whole process.

projects

Snappat -- A new way social network based on puzzles   Feb. 2019 – present
In progress
- lang: Java
- framework: Android Original

It's an on going course project (software engineering) I and my teammates are focusing on which aims to develop a social networking app covering several features like machine learning and puzzle solving.

Sensor Data Real Time Transmission Application   Sep. 2018 – Jan. 2019
Finished
- lang: Java
- framework: Android Original
- in charge for: whole android app developemnt and server maintenance

Building an Android app to send sensor's data between multi devices using MQTT protocol. MQTT is a lightweight messaging protocol for small sensors and mobile devices and have an easy implementation and latency optimization. It's an course team project of computer network engineering and we learned the communication principle of MQTT.

Faculty Reservation System   Sep. 2018 – Jan. 2019
Finished
- lang: PHP
- framework: Laravel
- in charge for: backend PHP spider for grabbing data from researchgate

Co-developing a system to help SUSTech students and faculty schedule their appointments in a team of 5. We covered several important features in this system, such as user registration, user information, appointment scheduling, research's recent working direction and else. It's an course project of object oriented design.

Earthquake Visualization Software   Feb. 2017 – Jun. 2017
Finished
- lang: Java
- platform: JavaFX
- in charge for: backend Java spider for grabbing seismal data from web.

Developed a software using Java GUI and performed visualized seismal statistical data on map and also in charts. Special html content determination and slicing skills were used, and I also learned network request and response handling using Java. It's an course project of Java Programming 2 in a 3 people team.

Flight Reservation System   Sep. 2016 – Jan. 2017
Finished
- lang: Java, HTML&CSS, SQL
- framework: JSP
- in charge for: Full-stack development

Led a team of 3 to develop a system and sent it online including functions like user registration, flight querying, flight reservation, flight management. I learned java bean and DOM also include OOD a little bit for the first time on my own. It's an course project of Java Programming 1.