

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, JavaScript
Bash/Shell, Spim
MATLAB, L^AT_EX

IDE&editor

♥ PyCharm
PHPStorm

♥ VSCode
Vim
Sublime

last updated

March 29, 2020

education

The University of British Columbia, Vancouver BC Canada

Summer Program

Studied computer science courses (algorithm & webapp).

Jul. 2018 – Aug. 2018

Southern University of Science and Technology(SUSTech), Shenzhen China

B.S. in Computer Science and Engineering

Relevant 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, C/C++ Programming Design, Computer Vision, Introduction to Cognitive Science, Operating System (Ongoing), Robotics (Ongoing)

Sep. 2016 – Jun. 2020

experience

DOODO (Beijing) Ltd

Part Time Assistant

- Worked in DOODO (Beijing) Ltd and helped to create classification of user portrait.

Aug. 2017

awards

Best Student Assistant

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.

Jun. 2017 – Jun. 2018

Undergraduate Scholarship

Southern University of Science and Technology

Awarded to the top students at the beginning of the undergraduate.

Sep. 2016

research

Parallel Implementation of MOEA/D and its Application to Feature Selection

Finished

- lang: Python

Team researching project under prof. Prof. Hisao Ishibuchi's instruction. The 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 a parallel environment for MOEA/D algorithm, using the island model and find out an effective way in which partial data would be used for communication. We use feature selection to verify our proposal in the whole process.

Sep. 2018 – Jun. 2019

projects

Snappat -- A new way social network based on puzzles

Feb. 2019 – Jun. 2019

Finished

- lang: Java
- framework: Android Original

It's a 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, object recognition 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 the sensor's data between multi devices using MQTT protocol. MQTT is a lightweight messaging protocol for small sensors and mobile devices and has an easy implementation and latency optimization. It's a 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 a 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 a 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 a 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 included OOD a little bit for the first time on my own. It's a course project of Java Programming 1.