

# BohongZhao

Undergraduate | Southern University of Science and Technology

## contact

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## languages

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

## programming

### Competent

♥ Python  
Java, C++  
CSS3 & HTML5

### Novice

Kotlin, Flutter, XML  
Swift, Bash/Shell  
SQL, PHP, JavaScript  
MATLAB,  $\text{\LaTeX}$  Spim

## IDE&Editor

♥ PyCharm  
PHPStorm

♥ VSCode  
Vim  
Sublime

## last updated

March 16, 2019  
Rev. 14

## education

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

Sep. 2016 – Jul. 2020

**B.S. in Computer Science and Engineering**

Specialization in Evolutionary Algorithm for Multi-Objective Optimization follow Prof. Hisao Ishibuchi.

### Beijing Bayi School, Beijing China

Sep. 2013 - Jul. 2016

**1st Experimental Class**

Interested in Mathematics Competition

### Beijing 101 High School, Beijing China

Sep. 2010 - Jul. 2013

**1st Experimental Class**

Interested in Informatics Competition (NOIP), and won 1st price in junior group for twice(2010 and 2011).

## experience & study program

### The University of British Columbia

Jul. 2018 – Aug. 2018

*Summer Program*

- Studied computer science courses (algorithm & webapp).

### DOODO (Beijing) Ltd

Aug. 2017

*Part Time Assistant*

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

## awards

### Undergraduate Scholarship

Sep. 2016

**Southern University of Science and Technology**

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

### 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.

## projects

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

Sep. 2018 – present

*In progress*

- lang: Python

Team researching project under 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.

### 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.