

# Yihong LI

Liyihong2020@email.szu.edu.cn | (+86) 18802658039 | Shenzhen, Guangdong, China

## EDUCATION

### Shenzhen University

Bachelor of Science in Computer Science and Technology

Shenzhen, China

09/2020 - Present

- **Cumulative GPA:** 3.9/4.5 (87/100);
- **Relevant Coursework:** Calculus A, Linear Algebra, Probability Theory and Mathematical Statistics, Discrete Mathematics, Web Development and HCI, Computer Systems, Java Programming, System Design and Database Systems, Data Structures, Interactive Application, Design and Analysis of Algorithms, Internet Programming, Introduction to Multimedia Systems, Introduction to Datamining, Introduction to Big Data, Software Engineering, etc.

## RESEARCH EXPERIENCE

### Research Project: Intelligent Vocal Training Assistant System

Research Assistant

Shenzhen, China

09/2021 - 05/2022

- Collaborated in developing the system, proposed a robust vocal training system to classify different states of vocal cords, and applying to cross/non-cross person experiment **with final result published in a paper.**
- **Li, Y.,** Luo, C. (2022). Intelligent Vocal Training Assistant System. In: Wu, K., Wang, L., Chen, Y. (eds) Edge Computing and IoT: Systems, Management and Security. ICECI 2021. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 437. Springer, Cham. [https://doi.org/10.1007/978-3-031-04231-7\\_11](https://doi.org/10.1007/978-3-031-04231-7_11)

### Research Project: The Human-Computer Interaction Technology of EarMotion smart headset

Research Assistant

Shenzhen, China

09/2021 - 12/2021

- Developed and maintained the Android app in Java, learned about collaborative development among teams and team communication plans;
- Proposed the technology of human-computer interaction through head movements, which can be realized by using Bluetooth headset equipped with IMU sensor and mobile phone deployed with our APP.

## PROFESSIONAL EXPERIENCE

### Course Project: SMS-Spam Classification(Datamining Competition held by DataCastle)

Individual Project

Shenzhen, China

11/2022 - 12/2022

- Preprocessed the data set and optimized the parameter with specific methods, allowing it easier to use in the project.
  - Designed and built several models to classify spam emails based on given dataset using specific feature extraction methods like Bert, training with ML/DL models, and models like simpletransformers, the best accuracy of which is 0.9955, turned out to be 2<sup>nd</sup> out of 295 teams(Updated to 03/03/2023) .
- Official website: <https://challenge.datacastle.cn/v3/cmptDetail.html?id=352>

### Data Structure Course(Fall 2022) in Shenzhen University

Teaching Assistant

Shenzhen, China

09/2022 - 01/2023

- Provided one-to-one and small-group academic and advisory support to students with in-class and after-class Q&A sessions.
- Explained the principle of data structure and instructing students to implement the data structure in practice.

### Guangdong Engineering Research Center of Wireless Big Data and Future Network

Research Assistant

Shenzhen, China

09/2021 - 10/2022

- Conducted research in the fields of wearable and mobile computing, ubiquitous computing, and human-computer interaction under the guidance of Associate Professor Yongpan Zou.
- Designed and maintained the development of an Android mobile application for human-computer interaction.
- Collected and analyzed data, and contributed ideas to optimize project outcomes.

## HONORS

- Rank 2<sup>nd</sup> / 295 in data mining competition held by DataCastle 12/2022
- The Second Prize in National College Students Mathematical Contest in Modeling in Guangdong Province 10/2022
- Tencent Rhino Bird Open source talent training program actual participation certificate 08/2022
- The Second Prize in C/C++ Programming Competition in Guangdong Division, Lanqiao Cup National Software and Information Technology Professionals Competition 04/2022
- The Second Prize in "Li Yuan Challenge" Challenge Cup 12/2021
- The Third Prize of Study Star of Shenzhen University, GPA top 10% 09/2021

## SKILLS & INTERESTS

- **Languages:** Native in Mandarin and Cantonese; Fluent in English (Working Language to Communicate);
- **Technical Skills:** Java (Proficient), Python (Proficient), C/C++ (Basic), Machine Learning (Proficient), Microsoft Power Point (Proficient), Microsoft Excel (Proficient);
- **Interests:** Running, Workout, Swimming, Soccer, Badminton, Snowboarding(plan to try), Surfing(plan to try).