

Zicheng Hao

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Academic Qualification

08/2018-06/2022 **Tiangong University**
Bachelor of Engineering, Software Engineering
(Experimental Class of Outstanding Engineer Education and Training Programme)
Overall GPA: 85.46/100

12/2019 Third Class President's Scholarship for Academic and Comprehensive Excellence

Research Experience

02/2022-05/2022 **Design and Implementation of Graduation Management System based on SpringBoot**

- ✓ Developed a thesis management system, including student subsystem, teacher subsystem and administrator subsystem;
- ✓ Added small function points to each user role, designed the function of each subsystem in detail, and designed the system security and database accordingly;
- ✓ Used Springboot framework for development and MySQL database as background;
- ✓ Built intuitive front-end pages using Vue and Element UI, achieving a clear separation of front-end and back-end functionalities;
- ✓ Leveraged the MyBatisPlus persistence layer framework to enhance data persistence capabilities;
- ✓ Integrated Redis as an in-memory database to optimise application caching for relevant business processes.

10/2020-03/2021 **Data Warehouse Application: Data Analysis of Didi, the World's Leading Transportation Platform**

- ✓ Counted the orders of Didi software on a particular day using Hadoop, HDFS, Hive, and Spark to analyse the data in different aspects;
- ✓ Responsible for data crawling and database layering, expressing this data through visualisation, such as statistical charts and tables;
- ✓ Through the analysis, gained an understanding of the proportion of orders at different times of the day, the proportion of orders at different locations, and the proportion of orders for different age users, and got familiar with the techniques of big data analysis;
- ✓ Thought about how to save data and how to build data models to analyse and ensure processing efficiency at the same time.

10/2019-02/2021 **Software Research and Development of "Ying Ji V1.0", A Video Travel Software**

- ✓ Responsible for writing code and documentation for some functions;
- ✓ Obtained computer software copyright registration certificate.

06/2019-07/2019 **Design of Intelligent Agricultural Management System (JAVA Enterprise Level Development)**

- ✓ Researched and developed an Android-based APP to visualise various indicators of agricultural management to achieve the purpose of operation and management by mobile phone and maximise the use of resources;
- ✓ Gained an understanding of the needs of users and made the software more user-friendly so that even farmers who do not know how to use mobile phones can understand and use the APP;
- ✓ Responsible for module design and manuscript writing, summarising the development process into a development report, and finally making a report and project presentation to show the functional integrity of each module in detail.

Work Experience

07/2022-Present **Xiaoshu Intelligence (Aiseep) Technology Development Co., Ltd (Beijing)**

- Software Engineer
- ✓ Understanding user requirements and translating them into technical solutions, writing high-quality code using Java, Python, and JavaScript to implement system functionality;
 - ✓ Managing code repositories using Git to ensure collaboration between team members and consistency of code versions;
 - ✓ Participating in the development of software architecture, including selecting appropriate technology stacks, designing system components and interactions between modules, and ensuring that the system has good scalability and flexibility;
 - ✓ Taking part in the design and development of the company's big data platform, based on Hadoop and Spark, to achieve data cleaning, processing and storage to improve the efficiency and reliability of data processing.

07/2021-08/2021 **Shanghai Lichun Education Technology Co., Ltd.**

- Information Technology Tutor
- ✓ Designed the information technology curriculum and teaching plan for the summer programme, ensuring that the content was varied, captivating, and tailored to the educational needs of the students;
 - ✓ In charge of delivering and elucidating information technology-related knowledge, encompassing computer fundamentals, children's programming software Scratch, and web development;
 - ✓ Organised LEGO robotics practical courses, directing students in hands-on exercises to enhance their comprehension and application abilities in robot programming;
 - ✓ Offered guidance to students participating in the whitelist competitions, leading them through practice rounds and official competitions.

On-Campus Engagements

09/2020-06/2022 **Experimental Class of Outstanding Engineer Education and Training Programme**

- New Students Mentor
- ✓ Prepared and sorted the information of new students and prepared the start-up file for each new student;
 - ✓ Received the new students during the orientation, collected the

information, distributed the necessities, and provided the necessary guidance;

- ✓ Helped new students integrate into university life as soon as possible and organised the election of class student leaders for new students;
- ✓ Cooperated with other mentors and established a harmonious relationship with new students to complete the orientation successfully.

09/2021-10/2021 **Physical Fitness Test for Students of Tiangong University**

Guide

- ✓ Responsible for guiding students through physical testing, recording scores and carrying equipment.

05/2019-12/2019 **Tianjin Tiger Wings Collegiate Football League**

Team Player

- ✓ Participated in daily training and football league matches and came in fourth place.

10/2018-11/2018 **Department of Student Innovation and Entrepreneurial Activities**

Member

- ✓ Assisted Tiangong University and enterprises in organising the autumn campus job fair;
- ✓ Responsible for maintaining order in the venue, guiding students and distributing flyers.