



# Qingshan Hou

☎ +86 18516543173    ✉ [hqsh200459@gmail.com](mailto:hqsh200459@gmail.com)    🏠 <https://jimmyhoulala.github.io>

## 🎓 Education

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**Tongji University** Sep.2022 – Present

Major: Computer Science and Technology    Undergraduate    Shanghai, China

- GPA: 4.42/5
- Coursework: Linear Algebra · Assembly Language Programming · Software Engineering · Artificial Intelligence · Data Structures · Algorithms · Object-Oriented Programming · Operating Systems · Principles of Computer Organization · Computer Networks
- Class Monitor: Class of 2022, Computer Science and Technology 2nd Cohort

**Shanghai Yan'An High School** Sep.2019 – Jul.2022

## 💼 Internship

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**Hundsun Technologies Inc.** Jul.2024 – Aug.2024

FinTech Intern    Hangzhou, China

- Led a team of 6 members as product manager to design and develop a conceptual fund trading system.
- Gained hands-on experience in financial technology, including subscription, redemption, and clearing processes, as well as full-stack development using Vue.js for the front-end, Spring Boot for the back-end, and MySQL for database management.
- Certified Junior FinTech Engineer, Hundsun Technologies Inc. (Awarded for outstanding performance in financial technology project development).
- Recognized with the "Best Quality Award" for leading the development of the fund trading system.

## 🔧 Practical Experience

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**Project1: Statistical Regression Model for Water Quality** Jul.2019 – Oct.2020

Environmental Protection    Statistical Regression Model    Shanghai Yan'An High School

- Conducted field research in Anji County, Huzhou, collecting water quality data (e.g., temperature, dissolved oxygen, pH) from 7 locations along the upstream of Huangpu River.

- Performed data analysis using statistical regression models to predict and assess water quality trends, providing actionable insights for environmental conservation.

## **Project2: WeChat Mini Program for badminton enthusiasts** Aug.2024 – Dec.2024

Agile Coach    Full-Stack WeChat Mini Program Developer

Tongji University

- Designed and developed a WeChat Mini Program to facilitate court exchange and team formation for badminton players.
- Implemented key features such as team formation requests, court exchanging, and a chat module for user interaction.
- Improved convenience for school badminton players and enhanced their overall experience.
- Utilized WeChat Mini Program framework for development and deployment.






## **Project3: Intelligent Car Based Online Calibration System** Apr.2024 – Jun.2024

Computer Vision    Internet of Vehicles

Tongji University

- Developed an online calibration system using an intelligent car, replacing traditional static object-based calibration. This improved efficiency and reduced labor requirements.
- Utilized YOLO v9 for computer vision-based calibration and built a basic model of the intelligent car for autonomous movement and calibration.
- Enhanced calibration efficiency by automating the process with a self-moving car and reduced manual intervention and improved system accuracy.
- Won the Silver Medal at the 2024 China International College Students Innovation Competition (Tongji University Internal Competition).

## **Honors and Awards**




- Tongji University Undergraduate Excellence Scholarship  Nov.2023
- Certified Junior FinTech Engineer, Hundsun Technologies Inc.  Aug.2024
- First Prize: 35th Shanghai Youth Science&Technology Innovation Competition  Apr.2020
- Third Prize: 2021 National High School Biology Olympiad  Sep.2021
- Silver Award: 2024 China International College Students Innovation Competition (Tongji University Internal Competition)  Jun.2024
- President, Jiading Campus Basketball Association Jun.2024 - Present

## **Skills**

- Programming Language: C++(Advanced) > Python(Elementary) > JavaScript(Elementary)
- English Proficiency
  - IELTS: Overall band 7.5
  - CET4: 634
  - CET6: 584

## Others

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- Activities:
  - UFI Filters Group/Sofima Automotive Filter Asia-Pacific Headquarters Plant Tour 
  - Performing a cappella at the Earth Hour event. 
- Interests:
  - Certified National Level-3 Basketball Referee
  - Music band lead singer 
  - A cappella Tenor