

ZHU YUANHAO

Date of Birth: 08/09/1999 Place of Birth:Guizhou Guiyang China Mobile: 86-17883696426
Email:drewyh1999@outlook.com
Address: No. 505, Building B, Xiangyayuan, No.173, North of Huaxi Avenue, Huaxi District,
Guiyang City, Guizhou Province, China, 550000

Educational Background

09/2017-06/2021 Sichuan University (SCU) (Sichuan Province)
Major in Software Engineering, College of Software Engineering
Bachelor of Engineering
GPA: 3.65/4.0; Weighted Average Mark: 87.35/100

Languages

English Fluent (TOEFL 107)

Research Experience

- **07/2020-Present Research on the Impact of Reduced Human Activities on Air Pollutants During the Outbreak of Covid-19**
 - Established a reliable machine learning model for predicting pollutant concentration based on meteorological data;
 - Achieved the prediction accuracy of 53% and 65% through LSTM Networks and 1D Convolution Neural Networks respectively.
- **09/2019-11/2019 Development of Circular Distributed Hash Table demo**
 - Using only the basic socket during development
 - Implemented the shortcut function to accelerate hashing
 - Implemented non-blocking TCP and UDP info transmission using Select
- **02/2020-03/2020 Mathematical Contest In Modeling**
 - Conducted computer simulation of prediction of fish migration and building a strong sandcastle foundation;
 - Completed the English paper through calculation, visualized analysis and LaTeX.
- **11/2019-12/2019 College Financial Technology Competition**
 - Took charge of the detailed design of algorithm implementation as well as annotation of code;
 - Designed an intelligent routing algorithm and a reasonable network topology to allow information transmission to achieve the highest efficiency.
- **07/2019-08/2019 Development of Online Booking System for Train Tickets**
 - Exploited an online booking system for train tickets, which could manage personal information, background and select place of departure, destination and train number;
 - Implemented the required behaviors of the front-end through HTML, Cascading Style Sheets and JavaScript, realized the back-end function by Java language.

Activities Experience

- **04/2018-04/2020 Youth Rock Club, SCU**
 - Served as a guitarist in the band of CrowdControl, and participated in a series of university-wide activities.
- **12/2017-04/2020 Foreign Language Broadcasting Station, SCU**
 - Took responsibility for broadcasting for self-created music radio program named 'Rockrepublic' and other programs with various themes.