



## Internship Certificate

Song Jionghao, majoring in Software Engineering, Hebei University of Science and Technology, Student ID 191603134, has taken up an internship at Inspur Communication Information System Limited from 14 June 2022 to 31 August 2022. The department is the Project Delivery Division, and his position is Service Delivery. The student has been an outstanding learner and has been involved in two project teams:

### Project Group 1: Smart High-Speed Big Data Processing

The student collected road survey data in the field on the motorway using a wireless integrated survey meter, converted the collected road survey data between scales, and pre-processed the data rigorously using Python.

Using front-end technology and visualization software Tableau, the pre-processed data was visualized on a map and then matched to the signal base stations.

### Project Team 2: Data processing for the HBHC database

The student was jointly responsible for maintaining and updating the underlying data for the Hebei Health Code, processing a total of 500,000 to 600,000 trip information from airplanes, railways, etc.

Our company is unanimous in recognizing and appreciating this student's work performance!

Inspur Communication Information System Limited



31 August 2022