

# Wei-heng Su

suweiheng@stu.xjtu.edu.cn

Building East No.12, Xi'an Jiaotong University, Xi'an, , China

## EDUCATION

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**School of Electronic Engineering and Computer Science, Xi'an Jiaotong University,**

**Sept 2018 - Present**

- Major in Computer Science;  
GPA:3.77/4.0;
- Core Courses: Practice of Programming in C&C++; Linear Algebra; Set Theory and Graph Theory; Data Structure and Algorithm; Combinatorial Mathematics; Probability Theory and Statistics; Algorithm Design and Analysis; Compiler Design; Mathematical Logic; Operating Systems; Computer Networks, Numerical Analysis, Machine Learning

**Imperial College Data Science Summer School**

- A-Distinction;
- Leader of NLP Biomedical Program in the Group

## SELECTED HONORS

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Honorable Student of Xi'an Jiaotong University	2019-2020
Third-class Scholarship of Xi'an Jiaotong University	2018-2019,2019-2020
Second-class Scholarship of Xi'an Jiaotong University	2020-2021
Bronze Prize of Soar Cup of Xi'an Jiaotong University	2021

## RESEARCH EXPERIENCE

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**Speech recognition and storage system of inspection report**

**November 2020-March 2021**

Advisor: Chen Li, Professor, Institute of Computer Science and Technology, Xi'an Jiaotong University

- Learned about the problem in 1<sup>st</sup> affiliated Hospital of Xi'an Jiaotong University that the pathologists can't record the first-hand results in time
- Created a system whose aim was to output the formatted text to the result of recognition given a inspection report by doctors
- Used DeepSpeech, a speech recognition system developed using end-to-end deep learning, to transform the voice information of the inspection results in to text
- Extracted the entities of the results of DeepSpeech and determined the relationship of entities and store as formatted text

## SKILLS

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- Language: English (CET4 score: 615, speaking section: B+, CET6 score: 583)
- Computer Skills: C/C++、Python