KEMING JIAO

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EDUCATION

Shanghai Jiao Tong University   *September 2020 - June 2024*
College: School of Electronic Information & Electrical Engineering
Major: Electronic Science & Technology
Overall GPA: 83.97 / 100

STANDARDIZED TEST

IELTS: 7.5   (R9.0 L7.5 W6.5 S6.0)   *19th March 2023*

EXPERIENCE

Imperial Data Science Online Winter School   16th January - 8th February 2023
Data Science Institute, Imperial College London

· Completed a **Natural Language Processing** project based on a COVID-19 corpus, including tokenization, building word representations and building a knowledge graph.
· Participated in a **Medical Image Processing** project about brain tumour segmentation.
· Had a fundamental understanding of different research directions in Data Science & Artificial Intelligence field.

Research in Fault Diagnosis Method for Machine Main Bearing   October 2022 - Present
School of Mechanical Engineering, SJTU   *Advised by Prof. Jianfeng Tao*

· Read papers including the summarize of machine fault diagnosis with machine learning and some modified methods.
· Reproduced a fault diagnosis method using a modified **CNN**.
· Prepared for improvement of the present method.

Teacher Assistant of C++ Programming Course   Fall Semester 2021 & 2022
School of Electronic Information and Electrical Engineering, SJTU

· Gained a deep understanding of C++ Programming.
· Participated in the design of a course project about Image Edge Detection using **Qt Creator**.

Science and Technology Innovation Series Courses   Spring Semester 2021 & 2022, Fall Semester 2022
School of Electronic Information and Electrical Engineering, SJTU

· Did simple **PCB Design** using Altium Designer.
· Did embedded development based on data sheets provided by manufacturers.
· Used electric soldering iron to solder circuit board components.

SCHOLARSHIP & AWARDS

Undergraduate C Scholarship (top 30% students)   *September 2021 - June 2022*
The Best Overall Project in Imperial DS Winter School(top 1 of 8 groups)   *8th February 2023*

TECHNICAL STRENGTHS

Languages	Chinese(Native), English(Fluent)
Programming Languages	C++, C, Python
Tools	MATLAB, Qt Creator, Altium Designer