Reference Letter

To Whom It May Concern,

Having had the privilege of working with Mr Jingkai (Kyle) Sun, an MSc student from Imperial College London, who works as an algorithm part-time assistant from Jun. 2020 to Jul. 2020, I feel pleased to write this letter to support his application for your esteemed master program.

Mr Sun was initially assigned to explore the user behaviour of Tencent, which included daily visitor analysis and user behaviour analysis with respect to different time scale (One Day or One Week). He self-studied the concepts and methods of classification, such as decision tree and gradient boosting machine, feature mining and feature engineering. In addition, he mined timeliness search words, heat search words, unexpected news events search words and extracted the numerical features by writing algorithms using Python. Then, he gained a basic understanding of learning to rank by looking at the relevant materials and used learning to rank algorithm to optimize the searching rank. Furthermore, he also wrote the code by Python to mine features and train the dataset of Yahoo search. Last, he used Tencent News app search queries and recall titles to mine correlation features, such as term precision, TF-IDF score, term matched density and the matched order scores, output the training results with 70% predicted accuracy and relevant reports. He also acquired the main skills of data visualization, data classification with the language model and data pre-processing tricks. His amazingly fast learning skills to acquire so many new concepts, an agile mind to respond to tricky questions and the ability to implement challenging algorithms deeply impressed me.

I enjoyed the time working with him. Although he is a student majored in BSc Money Banking and Finance, he showed his extraordinarily professional Python programming skills, enthusiasm for learning new things, sense of sharing, willingness to succeed, the personality of persistence and resilience. All of this will benefit his further academic career. I would highly recommend him to your university. With all the competencies, I am quite sure he will be very successful.

Yours faithfully,

Steve Hu

Position: Senior Artificial Intelligence Engineer

Department: Platform and Content Business Group/News Technology Platform Department/Search Algorithm Group
Company: Tencent Computer System Co.,Ltd.

Email:stevehu@tencent.com

Phone: 18612502769

Address: Building 9,West District, No.10 Xibeiwang East Road, Haidian District, Beijing 100094