

Zhaoyu Zhang

☎ (+44) 7410594580 | ✉ zhangzy517@gmail.com | 🏠 zhaoyuzhangzzy.com | 📞 Zhayu517 | 🌐 zhaoyuzhang

Work Experience

iFLYTEK Co., Ltd.

Wuhan, China

Python Developer Intern

Jul. 2021 - Sep. 2021

- Built a speech-to-text recognition model using optical fibres, of accuracy 97% based on TIMIT speech corpus, which was applied by the company on their investment decision.

Hubei Provincial Foreign Affairs Office

Wuhan, China

Assistant at Visa Service Center of the Ministry of Europe

Jun. 2019 - Sep. 2019

- Coordinated more than 10 visitors from Babis-Bojay University, Completed bilingual translation of 6 visa and immigration documents (30 pages in total) and reports, and list the optional information of 30+ attractions and projects, and select the best plan which was adopted by leaders

Education

MEng in Computer Science

Manchester, UK

University of Manchester

Sep. 2018 - June. 2022

- Relevant Modules: AI and Games, Computer Vision, Text Mining, The Internet of Things, Software Security, Data Engineering, Algorithms and Complexity, Databases, Logic and Modelling, Object-oriented Programming, Mobile System, and Cryptography.

A Levels

Wuhan, China

International Division of Hubei Wuchang Experimental High School

Sep. 2015 - June. 2018

- Overall: A*, A* in Further Mathematics, A* in Chemistry, A* in Mechanics, A* in Statistics, A in Physics, A* in Core Mathematics.

Selected Projects

Personal Website [Github](#) [MainPage](#)

London, UK

Developer

Oct. 2022 - Ongoing

- Using ReactJS, deployed on Next.js by Vercel. A summary of my projects, lives and hobbies.

Optimizing Minimal Counterexamples [Github](#) [Presentation](#)

Manchester, UK

Developer

Mar. 2022 - May. 2022

- Help users better understand bugs (Identify and locate errors) in java programs by reducing the numerical size of counterexamples generated by java BMC (Bounded Model Checker)

Question Classifier [Github](#) [Paper](#)

Manchester, UK

Developer

Feb. 2022 - Mar. 2022

- A non-answer question classifier written in python, which accepts a question and output one of N predefined classes, Reached at accuracy 0.852 and F1-score 0.697

Road Tracking in Aerial Images [Github](#) [Paper](#)

Manchester, UK

Developer

Sep. 2020 - Apr. 2021

- Without the use of GPS, by analyzing the satellite images returned by the drone, extracting location information surround it (match similar objects on the map to locate the camera) to establish the scope of the drone's activities. Accuracy is around 100 meters for well-trained models

SkillSet

Programming TDD, Python & basic Django, Java & basic Spring, HTML5, CSS3 & Sass, Javascript & React, Typescript, LaTeX

Security JPF, JBMC, Amazon Inspector, Fault Diagnosis, Incident Management

ML Pytorch, AWS SageMaker, Jupyter Notebook, Pandas, TensorFlow(Keras), Scikit-learn.

Data Data Mining, Data Architecture, MySQL, Data Warehousing, basic Hadoop

Language Chinese (Native), English (Fluent), Japanese (Basic)

Cloud AWS S3, AWS EC2, Azure Active Directory, Azure IoT Hub

Other Git, Markdown, Windows PowerShell, Ubuntu, Operating System, Pair/Ensemble Programming

Personality Problem-solving, Communication, Leadership, Opportunist, Clear and Concise Writing, Time Management