Yijun **Hu** Computer Science MEng | University of Warwick

区 me@yijun.hu 命 Project Site

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I am a fourth year student at the University of Warwick, studying for an MEng in Computer Science. I am hard working, and enjoy problem solving and challenges, such as academic competitions like the UKMT Maths challenge, both alone and in teams. I have the skills to work with and guide others, as well as a strong ability in logical thinking, problem solving, and an ability to adapt to new situations and learn quickly. My interests range in topics from artificial intelligence to computer graphics and typographic design.

Originally hailing from China, I speak both English and Mandarin Chinese fluently. I am looking for opportunities to further my experience with machine learning, algorithm design and software development.

Experience

Graduate Teaching Assistant , University of Warwick, Coventry, UK 2023-2 Leading first year undergraduate labs, in modules such as Computer Architecture and Functional Programm	
Al Engineer, Yushan (Usense) Technologies, Shanghai, China Za Developing a backend flask API for AI features, e.g. Table boundary drawing and recognition, face compar ID card OCR, VAT receipt OCR. Working with machine learning and computer vision. Worked extensively with learning framework PaddlePaddle, as well as OpenCV.	
Private Tutor , <i>Freelance</i> , Nottingham and Coventry, UK 2019-2 Tutoring primarily Maths, Chemistry, Computer Science, programming (Python, Java), at levels from KS3 to versity.	
Education	
Currently Studying: MEng Computer Science, University of Warwick, Coventry2020-Pre(Integrated Masters) Average grade: 1st.2020-Pre	esent
A* A* A* A* in A Level , George Spencer Academy, Nottingham, UK In Maths, Further Maths, Computer Science and Chemistry.	2020
10 GCSEs (including 6 Grade 9s) , George Spencer Academy, Nottingham, UK Grade 9s include English Language, Mathematics, and all Sciences. Total list of grades: 9 9 9 9 9 9 A* 8 8 6	2018 5.
Projects	
Using Optical Character Recognition to Identify Ancient Seal Script Chinese Python 2023-2 MEng group project, working with computer vision and deep learning methods to perform optical character rentition, including eventual integration into an android application.	
Investigating AI Techniques for Generating Chinese Calligraphy Python2022-2First class.Third year project, investigating image generation with CycleGANs for Chinese calligraphy style to	
fer. Packet Sniffer C A small second year project that analysed network packets for common attack signs, implemented using thr pool multithreading.	2021 read-
	2021 icted
	2021 ally in
	2020

A first year project about designing optimised algorithms for a java-based web server of restaurant reviews. **Gugin Notation Font** A font to write ancient chinese muscial notation for the Chinese Zither (Gugin)

A more detailed list can be found on my projects site.

Courses Taken	
CS50 Artificial Intelligence in Python, Harvard University, Online	2020
Machine Learning A-Z, Kirill Eremenko and Hadelin du Ponteves, Udemy, Online	2018

Languages

English, Mandarin Chinese: Native proficiency

Programming Languages

Python + Numpy, Pandas, Tensorflow, PyTorch, OpenCV, Scikit-learn and related data science libraries. **Java**.

With further knowledge in HTML/CSS/JS, LATEX, C, Haskell, C++

Personal interests

I enjoy hobbies in the arts, particularly traditional Chinese arts such as calligraphy and carving seal stones. I also have a particular interest in typography and design, and generally in all things visual. I am also particularly fond of interesting, niche (and perhaps esoteric) concepts in the various fields I'm familiar with, and am always happy to delve into new rabbit holes.

I am a British Citizen with right to work in the UK