

Zhaoyu Zhang

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

Education

MEng in Computer Science

Manchester, UK

University of Manchester

Sep. 2018 - June. 2022

- Relevant Modules: Algorithms and Complexity, Object-oriented Programming with Java, Data Engineering, Software Security, Databases, Logic and Modelling, Machine Learning and Optimization, Computer Vision, Text Mining, The Internet of Things, 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.

Work Experience

iFLYTEK Co., Ltd.

Wuhan, China

Python Developer Internship

Jul. 2021 - Sep. 2021

- Built a speech-to-text recognition model where the sound comes from optical fibres, of accuracy 93% based on TIMIT speech corpus, which was applied by the company on their investment decision.
- Received full-time offer.

Hubei Provincial Foreign Affairs Office

Wuhan, China

Technical Assistant

Jun. 2019 - Sep. 2019

- Implemented automated process of online visa application and applicant information retrieving. Increased application efficiency by 54%
- Added auto-translation document feature and real-time document format conversion on the Visa Application website.
- Best intern of the year, and received full-time offer.

Selected Projects

Shihuo Market [🔗 MainPage](#)

London, UK

Java, Spring Boot, Angular, HTML, CSS, AWS

Feb. 2023 - Ongoing

- Building a second-hand trading website for Chinese students in UK.
- Responsible for backend and frontend.
- Implementing Features: (1) Item trading post. (2) Real-time chat between buyer and seller. (3) Integration with other second-hand websites like ebay. (4) Mobile App version. (5) Other trading information posting, like renting.

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

London, UK

HTML, CSS, Typescript, AWS

Oct. 2022 - Ongoing

- Implementing Features: (1) Sample showcase of selected projects. (2) Image-to-text conversion page. (3) Professional Developer Blog. (4) Resume. (5) My HTML-version papers and reports. (6) Social media contact links.
- Automated integration using Github Actions and AWS S3.

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

Manchester, UK

Java, Cyber Security

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)

Stendhal Local Enhancement

Manchester, UK

Java, REST API, Spring

Nov. 2019 - May. 2020

- Added new cheating commands in the Stendhal game: teleportation, resurrection, invincibility, auto-following, auto-pathfinding
- Expanded maps: added two new accessible scenes
- Modified attributes of the original items: life recovery of food, attack power of weapons, defense power of clothing, etc.

SkillSet

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

Security JPF, JBMC, Burp Suite, Fault Diagnosis, Incident Management

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

Data Data Mining, Data Architecture, MySQL, Data Warehousing

Cloud AWS S3, AWS EC2, Azure Active Directory

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