

ZEPENG WANG

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Education

University of Glasgow

09/2023 – 09/2024

MSc in Computing Science

Glasgow, Scotland

- **Relevant Courses:** Programming and Systems Development, Machine Learning, Big Data, Information Visualisation, Internet Technology, Human Centred Security, Cyber Security Fundamentals

Tianjin University of Technology

09/2019 – 06/2023

BBA in Information Systems and Information Management(GPA 4.0/5.0)

Tianjin, China

- **Relevant Courses:** Advanced Mathematics, Probability and Mathematical Statistics, Operations Research, Information Resource Management, Project Management, Fundamentals of Computer Programming, Database Principles and Applications, Software Engineering

Experience

Tianjin Jinmin Home Technology

03/2023 - 08/2023

Front-end development intern

Tianjin, China

- Employed **Sketch** software to draft front-end prototype designs, including data flow diagrams and sitemaps, to facilitate discussions with product managers, ensuring clear communication and alignment on product vision.
- Developed front-end pages using **Vue3**, integrating requests to backend services. Leveraged asynchronous programming to efficiently handle authentication and connectivity across multiple pages, enabling support for over **1000** concurrent users.

Projects

CXML Parser supporting XPath syntax (GitHub Stars: 151) | C++

01/2022 - 02/2022

- Developed a **C++** interpreter for XML and JSON parsing, leveraging data structures (queues, trees) and algorithms (BFS, DFS, binary search), gaining **151 GitHub** stars.
- Highlighted C++ best practices and project management tools (Makefile, CMake), serving as an educational tool for library development.

Big Data Robot System based on Game(Total Users: 6000+) | Python, Scikit-learn

06/2022 - 11/2022

- Employed **Lua and DLLs** to in 1-second hook into game clients for data extraction, followed by data cleansing and filtration before storage in a **MySQL** and **redis** database.
- Utilized Scikit-learn for organizing character relationship networks, generating network images with Pyplot, and storing them as base64 in MongoDB.
- By maintaining a pool of **proxy IPs**, bypassing human authentication and IP verification, and realizing a **multi-threaded**, highly concurrent crawler pool with 10 crawls per second, with a **20% return on investment** for the project

Pet Hospital Intelligent System | Python, Django, AI

01/2023 - 06/2023

- Leveraged **Django** for backend development and **Vue3** for frontend, employing a decoupled architecture and SQLite3 as the database. Packaged the application in Docker for cross-platform compatibility.
- Pre-trained **ChatGPT** to fulfill website AI customer service requirements, reducing reliance on frequent human customer support interventions.
- Filed for a **patent** and published findings related to the project's innovative approach and technology implementation.

Technical Skills

Languages: English(Fluent), Chinese(Native)

Skills: Python, Django, Flask, Scrapy, SQL, Mysql, MongoDB, Redis, Java, C++, Nodejs, Js/html/css, Vue3, Swift, Git, docker, AWS, Linux

Accolades, Publications

12th LanQiao Cup Programming Algorithm Contest, 1st Place, Tianjin Region, 06/2021

12th LanQiao Cup Programming Algorithm Contest, National Excellence Award, 07/2021

11th LanQiao Cup Programming Algorithm Contest, 2nd Place, Tianjin Region, 11/2020

"Optimization of Contract Management System for Enterprises under Intelligent Mode" - Enterprise Science and Development, 2022

"Pet Hospital Intelligent Supervision System" - Computer Software Copyright, 2023