

# ZEPENG WANG

G3 8EU, Glasgow, United Kingdom

☎ +44 7827194566 ✉ [Tom.wang.cn@outlook.com](mailto:Tom.wang.cn@outlook.com) ⓘ <https://tomwang.netlify.app/> 🌐 [github.com/CodeCat-maker](https://github.com/CodeCat-maker)

## Education

### University of Glasgow

Sep. 2023 – Sep. 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

Sep. 2019 – June. 2023

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

*Tianjin, China*

- **Relevant Courses:** Principle & Application of Database, Python Data Analysis, Web Programming, Java Programming, Programming Based on.NET, More Effective Programming with C/C++

## Experience

### Tianjin Jinmin Home Technology Co., Ltd.,

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 Uniapp (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.
- Utilized JavaScript and CSS to create dynamic front-end animations, enhancing user interaction and the aesthetic appeal of the product, thereby improving the overall user experience.

## Projects

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

January 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

November 2022

- Employed Lua and DLLs to hook into game clients for data extraction, followed by data cleansing and filtration before storage in a MySQL database.
- Utilized Scikit-learn for organizing character relationship networks, generating network images with Pyplot, and storing them as base64 in MongoDB.
- Developed an online bot with a payment system, enabling customers to purchase specific player data, resulting in a project revenue of approximately 30,000 RMB.

### Pet Hospital Intelligent System | Python, Django, AI

June 2023

- Leveraged Django for backend development and WeChat Mini Program (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:** Python, C++, Java, Nodejs, Vue3 , CSS, SQL, Bash

**Database:** Monogo, SQL, Redis

**Technologies:** Spider, Web(include h5) Development, Machine Learning ,docker, WeChat mini-programming

## Accolades, Publications

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

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

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