Zepeng Wang

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Education

University of Glasgow | Glasgow, Scotland
MSc in Computer Science

- Currently completing courses in computer science, machine learning, and data science

Tianjin University of Technology, | Tianjin
BBA in Information Systems and Information Management | 06/2023

- Graduated summa cum laude—3.8+ GPA

Experience

Tianjin Jinmin Home Technology Co., Ltd., | Tianjin
Product Manager Intern | 03/2023 - 08/2023

- Interface with clients to capture project requirements, conduct a systematic analysis of the requirements within the project, and draft requirement documentation.
- Undertake system modeling, Demo prototype design, and other related tasks for the project.
- Confirm all requirements with the client and track their implementation and execution, coordinate with the technical department for development work, and drive the progress of project development; coordinate the development progress of the product and control project quality.
- 4. After the product launch, experience and test the product, safeguard the functionality of the product, and provide the technical department with suggestions for modifications and improvements based on test results.

Tianjin Null Pointer Technology Co., Ltd. | Tianjin
Real-time Communication System Development Intern | 11/2022 - 02/2023

- Participate in the design, development, and optimization of the company's product platform's Instant Messaging (IM) module, capable of supporting data concurrency at the million level.
- Engage in the construction of IM server architecture, database establishment, backend program development, and the development of interfaces with mobile clients.
- Collaborate with Android and iOS developers to complete development or provide support.

Tianjin Ladder Technology Co., Ltd. | Tianjin
User Preference Analysis Intern | 01/2021 - 03/2021

- Insight Analysis: Conduct analysis and mine the needs of target and potential customer groups, study user behavior and consumption habits to provide scientific support for product and operational optimization(user lifecycle management, interest preference prediction, behavior characteristic scoring, fundamental portrait labeling, and traffic funnel optimization)
- Design quantitative predictive models and business analysis models for key business milestones such as registration, first purchase, repurchase, activation, and recall, and apply them in business scenarios. Evaluate the quality of the models.

Self Projects

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

Developed an interpreter for parsing XML and JSON using C++, utilizing fundamental data structures such as queues and trees, as well as basic algorithms including BFS (Breadth-First Search), DFS (Depth-First Search), and binary search. This project has garnered 151 stars on GitHub and primarily serves as an instructional resource on developing a library with C++. The technologies used encompass all aspects of C++ projects, including Makefile, CMake, and more.

Cxml Github link

Big Data Robot System based on Jian San Game (Total Users: 6000+)

This project employs Python and the Scikit-learn library, hooking data from the game Jian San and storing it in a database. It uses Scikit-learn and the Pyplot library to create visualizations such as character relationship networks. The technology stack includes real-time communication, web scraping, Redis caching, and bot interaction.

[Jian San Game Detail](#)

Cat Compendium: A Digital Archiving System for Campus Stray Cats(Total Users: 1600+)

The Cat Compendium Digital Archiving System is a pioneering initiative designed to curate an all-encompassing electronic portfolio for stray cats gracing the confines of the campus. Recognizing the myriad challenges that these vulnerable felines face in today's evolving societal milieu, our endeavor elevates their visibility, amplifying the message of universal respect and compassion towards every life form.

[Program Detail](#)

Pet Hospital Intelligent Supervision System

The rise in living standards has seen pet ownership burgeon into a modern lifestyle choice. As economic growth accelerates and incomes soar, the number of pet owners has surged. China's pet market has expanded to several billion yuan and continues its growth trajectory. However, the advent of this booming industry has also highlighted significant challenges, particularly in accessing quality pet healthcare.

[Program Detail](#)

Programming Skill

- Programming Languages: JavaScript, Python, C++, Nodejs, Vue
- Research Tools: TensorFlow, Scikit-learn, NLTK
- Framework: Python(Flask, Django, Tkinter...), Nodejs(express, egg...), Frontend(Vue, Jquery...)
- Database Systems: MySQL, MongoDB, Redis

Accolades, Publications

- Competitions

1. 12th LanQiao Cup Programming Algorithm Contest, 1st Place, Tianjin Region, June 2021
2. 12th LanQiao Cup Programming Algorithm Contest, National Excellence Award, June 2021
3. 11th LanQiao Cup Programming Algorithm Contest, 2nd Place, Tianjin Region, November 2020

- Publications
1. "Optimization of Contract Management System for Enterprises under Intelligent Mode" - Enterprise Science and Development, 2022
2. "Pet Hospital Intelligent Supervision System" - Computer Software Copyright, 2023