

Zhaoqi Wang

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PROFILE

I'm a **problem-solving** master of Information technology (AI) with 4 months of **back-end intern** experience using **python** and excel for a Fintech startup. I provided **troubleshooting, analyzing, designing**, and **back-end developing services** that expanded company's production with two new products in 4 months. I'm seeking a **software developer role** to apply my developing and analyzing knowledge.

EMPLOYMENT EXPERIENCE

Back-end software engineering Intern (Stay or Go) **2022.3 - 2022.7**

- Development of Deposit product branch
- Collaborated in an agile team that delivered new products, including **data collection, cleaning, product feature analyzing, relational data structure design**, and finally, delivering CSV contents with **reusable code**. It helped the company expand its reach with two new products, which will potentially increase Google Search traffic.
- **Bank API, Python, Excel** and **Mono repo** were used for this internship.

EDUCATION

Jilin University of Architecture **2015.09 - 2019.07**

Bachelor of Engineering Management (Construction Project Management)

Monash University **2020.03 - 2020.12**

Master of Information Technology (Information technology)

- Programming foundations
- Algorithms and programming foundations in Python
- Data exploration and visualization
- Software engineering

The University of Melbourne **2021.03 - 2022.12**

Master of Information Technology (Artificial Intelligence)

- AI planning
- Machine learning
- Computer vision
- The ethics of artificial intelligence
- Information visualization

PROJECT EXPERIENCE

Hacking Materials User Interface (The University of Melbourne)

- A **real life** project
- Provide a web-based user interface for a standard process in Matminer.
- As one of the team leaders, I created a **Cross team collaboration model** to organise 15 people's development and communication process; set rules for **GitHub collaboration**; hold **team and client meetings**; selected by the teaching team to present our successful experience.
- Meantime, as a full-stack developer, I applied **Fetch API**, **Flask API** for user authorization and permission.
- **JavaScript**, **TypeScript**, **Python**, **GitHub** and **Docker** were used

Location analysis of Twitter authors (The University of Melbourne)

- Predicted and analysed the geographic location of Twitter authors based on their Twitter content. This project implemented and applied **Naïve Bayes**, **Logistic Regression**, **Decision Tree**, **Random Forest** and **Neural Network algorithms**, and the datasets processed by TF-IDF was used for model fitting. As the result, the accuracy of prediction is up to around 60%.

Sequence Game (The University of Melbourne)

- Built up an AI team of Sequence game applying **Deep Q-Learning**, **Depth First Search**, **Heuristic Search** and **Monte Carlo Tree Search** based on TensorFlow. The win rate against random players was up to 98% after a period of training.

Voucher website design (The University of Melbourne)

- Built up a voucher website including service booking, voucher redeeming, rewards for new users and automatic email sending based on **WordPress** in an agile team.
- **MySQL** was used for information management.

Bake Shop System design (Monash University)

- Bake Shop System was a client software designed using **Java Swing** on the IntelliJ IDEA platform. The main functions were placing order, ordering food, monitoring raw material, inventory reminders and generating inventory and periodic reports.
- **MySQL** was used to manage order information, historical order information, user information and merchant information.

SKILL SUMMARY

- Excellent programming language skills including **Python**, **Java**.
- Good programming language skills including **SQL** and **R**.
- Experience in web design using **Html**, **CSS**, **JavaScript**.
- Well-developed communication skills, able to work effectively in **English** and **Mandarin**.
- Experience in successful **teamwork**.
- **Optimism**, **positive** and **motivated**, enjoy challenge.

INTERESTS

- Analysing the performance of computer games using game APIs
- Exploring UX/UI design skills.
- Learn and apply research skills to different things in my life.

- Learn and apply technical skills in my life

REFERENCES

References available upon request.