

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 testing 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, Talend API Tester, Python, Excel** 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)

- 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; testing products by **PyTest** and **manual test cases**; set rules for **GitHub collaboration**; hold **team and client meetings**.
- Meantime, as a full-stack developer, I applied **Fetch API**, **Flask API** for user authorization and permission.
- **TypeScript**, **Python**, **SQL**, **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%.

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**. 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

- Knowledge of Software development lifecycle(SDLC)
- Experience in creating automatic test cases, executing test scenarios, and tracking defects
- Familiarity with API testing tools such as **Postman** and **Talend API Tester**.
- Excellent programming language skills including **Python**, **SQL**, **Java**.
- Experience in successful **teamwork**.
- **Optimism**, **positive** and **motivated**, enjoy challenge.
- Well-developed communication skills, able to work effectively in **English** and **Mandarin**.

INTERESTS

- Building applications with Django
- Analysing the performance of computer games using game APIs
- Exploring UX/UI design skills.

REFERENCES

References available upon request.