WEI LIU

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EDUCATION

Master of Information Technology: Software Engineering, **09/2024**
Monash University - Clayton, VIC
- 3.167 GPA, 76.4 WAM

Bachelor of Information Technology: Software Development, **12/2022**
Monash University - Clayton, VIC
- 3.24 GPA, 76.38 WAM
- Recipient of Academic Excellence Award in Math: Functions and Their Applications

SUMMARY

I graduated from Monash Uni. I hold master's and bachelor's degrees, both of which have equipped me with a solid foundation and advanced knowledge in the IT field.

My major is Software Development. I am very good at website design and building. I have strong coding skills, especially in front-end development. In addition, Django and CakePHP frameworks are also what I am good at.

I have one year of industry experience in the last year of my bachelor's course and the last semester of my master's course. I act as a Full-Stack developer in a team. We finally completed 3 website projects.

INDUSTRY EXPERIENCE

PYTHON DEVELOPER TRAINING & INTERN 08/2024 to 11/2024
Tedu IT Education, Shanghai, China
- Participate in building business shop website pages using HTML, CSS3, and JavaScript (jQuery).
- Participate in backend APIs using the Django framework, integrating third-party services into applications like OAuth 2.0, emails, and payment services.
- Trained in AI techniques including machine learning and recommendation algorithms.

WEBSITES, PORTFOLIOS

1. EduPionner: Career Exploration and Assessment website
link: https://edupioneer.com.au/
Project Overview: This not-for-profit website helps Australian high school graduates explore career paths using open data. Features include job exploration, skill evaluation through algorithms, AI-driven interview assessment, and email communication. Following Agile methodology, we completed three iterations to refine the website based on user feedback.
Project Tech: CakePHP, MySQL, Bootstrap, JQuery, AWS
My Role: Full Stack Web Developer
My Job: I designed the website's architecture, UI, and database. I developed front-end visuals and animations, ensured accessibility, and managed CAPTCHA verification. On the back end, I handled data organization and email functionality. After each iteration, I updated deployments on Amazon Cloud, configured the domain, and set up HTTPS security. I also wrote technical documentation and collaborated closely with the algorithm team.

2. Analysis and Visualization of Australian data science job market demand
Link: https://master.duaaual5nifdn.amplifyapp.com/
Project Overview: The project examines the distribution of data science jobs across every continent in Australia, exploring which jobs are most available for data analysts, data engineers, and data scientists, and analyzing the demand for each role in different situations. In addition, the different core skills

required for different jobs are explored.
Project Tech: d3.js, Google Map API
My Role: Data engineer
My Job: I used d3.js to build state choropleth, sortable and stacked bar charts, hot spots maps (Google Map API), Word clouds, and tree diagrams.

3. yourRacipes: Food Recipes Android App
Video Demo: https://wliu0025.github.io/assets/video/yourracipes.mp4
Project Overview: This is a food recipe Android app designed to help people find the recipes they want, create their own recipes, recipe statistics, maps, and share to Facebook. With fixed requirements, we developed this app using the waterfall model.
Project Tech: Java, SQLite, Firebase
My Role: Android Developer
My Job: There are four members in the team. I am mainly responsible for the design of app architecture, UI design, Firebase cloud database configuration and storage of user information, user registration and login functions, address auto-filling, recipe search, and map display functions using API.

4. weiliucv: My Personal Resume Website
Link: https://weiliucv.com/
Project Overview: This project collects all my background information on just one site. It provides a convenient platform for people who are interested in me to quickly know me. It is developed using the Django framework and deployed in AWS.
Project Tech: Django, MySQL, sendGrid, reCaptcha
My Role: Python Developer
My Job: Five days were spent on this project, from importing template to successfully deploying to AWS. The portfolio section data are from database. People can contact me in contact section. The system will send me email and reCaptcha was used to prevent robot attacks.

LANGUAGES

English

Chinese (Mandarin)

SKILLS

- Familiar with **Python** core library and popular third-party libraries, with good code habits;

- Familiar with **CakePHP** framework;

- Familiar with **SQL**, proficient in MySQL, Oracle; Familiar with data warehouse and spatial databases; Knowledge of non-relational databases, MongoDB and Redis;

- Familiar with **Linux** and development in Linux environment;

- Familiar with **Agile** development process, proficient in using team collaboration tools;

- Familiar with **Django** framework;

- Familiar with **Android** Mobile App development;

- Proficient in HTML/CSS/JavaScript/jQuery/Ajax **Front-end** development technology;

- Familiar with **Git** version control tools

- Quick learner and strong problem-solving skills.

CERTIFICATIONS

- Oracle MySQL for Developers Certificate
- Microsoft HTML, CSS, JavaScript, HTML5 Certificate
- China's Ministry of Industry and Information Technology Website development (advanced) Certificate, Software development (advanced) certificate