Zisen Wang

(+61)478551529, xg3000wzzzz@gmail.com

Education

Master of Information Technology, University of Melbourne Aug 2020 – Jul 2023
Subjects: Cluster and Cloud Computing, Advanced Database, Declarative Programming,
        Machine Learning, etc.

Bachelor of Science, University of Iowa, IOWA, US Jan 2013 – Dec 2016
Mathematics Major
Statistics Minor
gpa: 3.5/4.0; major gpa:3.6/4.0; Dean's List: 2014 – 2016

Relevant Work Experience

Web Developer (Part Time)
Hills Tech Education, Ltd, UK Dec 2024 – Present

- Spearheaded the design and development of the company's official website using the Angular framework, ensuring a dynamic and user-friendly interface.
- Utilized AWS services including S3, Amplify and others for seamless deployment, enhancing site performance and scalability.
- Integrated ChatGPT API to develop an interactive customer support chatbot, improving user engagement and response times.
- Implemented SEO best practices to increase website visibility and search engine ranking.
- Independently managed the entire website planning, development and deployment process, from initial concept to final launch.
- Collaborated with fellow educators to strategize and plan future website developments, aligning digital initiatives with educational objectives.

Software Developer
Lapis IT, Melbourne Dec 2023 – Aug 2024
https://lapisit.com.au/

- Designed and developed dynamic, user-focused frontend applications using the Angular framework to meet diverse client requirements.
- Created sophisticated Progressive Web Applications (PWAs) with functionalities such as interactive mapping, data management, and seamless integration across multiple platforms.
- Managed backend development using Java and AWS to ensure robust, scalable, and secure server-side operations.
- Communicated effectively with clients to understand requirements, make informed decisions, and ensure project alignment with business goals.
- Contributed to the maintenance and enhancement of large-scale, government-related software solutions.
- Leveraged a wide range of technologies, including Angular, Java, Ionic, and AWS, to build robust and scalable applications.
- Ensured optimal cross-platform performance and compatibility, enhancing user experience on both desktop and mobile devices.
- Delivered high-quality, efficient software solutions that met or exceeded client expectations.
- Collaborated within a multidisciplinary team to address technical challenges and ensure the successful delivery of project.

Backend DevOps Programmer (Remote)
Hangzhou SHENGSHI Electronic Co., Ltd, China May 2023 – Jan 2024

- Utilise Java, Javascript etc. to develop the backend and the frontend of an AI Generated Content (AIGC) web application

- Utilise ChatGPT, MidJourney, third-party cloud service like AliCloud, BaiduCloud to developed the main functions of web application, including AI copywriting genration, AI image generation and so on.
- Maintain the online web server and debug in Linux enviornment using Jconsole, VisualVM.
- Connect with third-party API to ensure the system runs smoothly on other stream media platforms, including Tiktok, Xiaohongshu, and other platforms.
- Adjust the content of the system according to cliens' requirement and response in time.

Information Technology Intern

Eforklift Pty Ltd. Melbourne Feb 2023 – Jul 2023

https://www.eforklift.com.au/

- Utilise Node.js, Nuxt,js, TypeScript, etc. to develop storage management and e-commercial system of forklifts
- Developed and maintained the company's website for selling forklifts using Wix and Velo.
- Managed the company's SEO on Google Ads to effectively market products.
- Provided exceptional customer service through online chats and emails.

Java Developer Feb 2022 – Jul 2022

Beijing Si-tech Technology Co., Ltd. China

- Utilise Java, H5, JavaScript, Vue.JS, Oracle, etc. to develop management system of financial report including import, export, revise and so on.
- Optimise an existing client management system and add new features.
- Complete daily full-stack coding tasks, unit tests, deployment and test codes in production environment.
- Cooperate with colleagues to complete the maintenance and upgrade of the system.

Other Work Experience

Math Teacher (Part Time) May 2023 – Present

Hills Tech Education, Ltd, UK

- Delivered A-level, IGCSE, and ESAT mathematics courses, effectively preparing students for admission to English-speaking universities.
- Coached students for mathematics competitions, enhancing their profiles for applications to top UK universities such as Cambridge, Oxford, and Imperial College.
- Designed and created comprehensive teaching materials, including handouts, slides, and notes, to facilitate effective learning.
- Conducted research on A-level and other examination standards to continually improve teaching strategies.
- Maintained high educational standards, with the majority of students achieving A+ grades in A-level Mathematics and Further Mathematics.

Math Teacher

Pennon Education, China Dec 2018 – Apr 2020

https://www.pennon.com.cn/

- Delivered A-level and IGCSE mathematics courses, effectively preparing students for admission to English-speaking universities.
- Designed and created comprehensive teaching materials, including handouts, slides, and notes, to facilitate effective learning.
- Conducted research on A-level and other examination standards to continually improve teaching strategies.
- Maintained high educational standards, with the majority of students achieving A+ grades in A-level Mathematics and Further Mathematics.

Project Experience

Geothermal iOS Application (iOS Development) Feb 2023 – Jun 2023

The University of Melbourne

https://apps.apple.com/id/app/geothermal-calculator/id6448557390

- Designing and implementing the UI and interaction logic of the application, including the design and layout of major pages and controls, as well as the response and feedback of user actions.
- Implementing the core logic functions of the application, including data calculation and validation, data storage and processing, etc.
- Writing the user terms and conditions and being responsible for translation and localization work to ensure the legality of the application's use worldwide.
- Writing the application's unit test code to test and validate various functions of the application.
- Publishing the application to TestFlight for internal testing and evaluation, and making fixes and improvements based on the test results.

Mood Tracker Application (Android Development)   Oct 2022 – Nov 2022
The University of Melbourne

- Utilise Java and Android Studio to build the UI of Android Application
- Implement an emotional analysis function in the application using the AWS API
- Complete coding tasks and unit tests to the application and fix glitches

Liveability Showcase Website   Mar 2022 – May 2022
The University of Melbourne

- Utilise Python Flask, jQuery, etc. to develop a website to compare the liveability in different cities in Australia.
- Utilise the Twitter API to collect data and store data using CouchDB.
- Realise fully automated deployment utilising Ansible and Docker.
- Youtube address: https://youtu.be/3v-Da2aT4u0

Software Skills

Programming Languages: Java, TypeScript, JavaScript, Python, HTML, SQL,

Databases: MySQL, Oracle, CouchDB, Redis, DynamoDB

Frameworks: Spring, SpringBoot, Spring MVC, Mybatis, Flask, Vue.js, Node.js, jQuery, Android, Velo, Xcode-iOS, Angular, Node.js

Applications: Tomcat, Nginx, Docker, Ansible, Git, Wix, Wordpress, Amplify-AWS

API: Twitter, AWS, Azure, ChatGPT

Honors & Awards

Endeavour Exhibition - Computing and Information Systems Engineering Discipline Award
The University of Melbourne   May 2023
https://endeavour.unimelb.edu.au/experience-endeavour/past/2023-semester-1-endeavour-exhibition

Personal Portfolio & LinkedIn

GitHub: https://github.com/zisenwang/

GitLab: https://gitlab.com/zisenw

LinkedIn: https://www.linkedin.com/in/zisen-wang-0bb9506a/