

Jinghui Wang

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Summary

Results-oriented and innovative Software Engineer with more than 1 year' experience specialising in full-stack development and data analytics. Proficient in Python, JavaScript, React and MySQL. Experienced in CI/CD, AWS, Container. Demonstrated expertise in working within an agile development environment and delivering projects on time.

Skills

Languages: **Python**, Java, **JavaScript**, PHP, C
Data: **PySpark**, Tableau, Power BI, Pandas, NumPy, Excel
Web tech: Spring Boot, **Restful API**, FastAPI, **CodeIgniter**, ASP.NET,
Front end: **React**, NextJS, HTML5, CSS3, Bootstrap
DB: **MySQL**, SQLite, MongoDB, Snowflake, Postgres
Tools: **AWS**, GCP, Git, **Docker**, Celery, Kubernetes, Hadoop

Work Experience

AI Engineer **Hatch**, Sydney 07.2025 – Present

Description: AI evaluation platform development & evaluation focused on domain-specific prompt engineering, LLM output assessment, and emerging AI-assisted development practices.

Technologies: Python, Flask, Peewee, SQLite, Git, Pytest, Prompt Engineering, LLM Evaluation

- Developed a **Flask-based** AI evaluation platform with Python, **Peewee** and **SQLite**, supporting conversation parsing, semantic rendering, and multi-criteria scoring.
- Designed and optimized domain-specific prompts, combining automated and human-in-the-loop evaluations to enhance **LLM** accuracy and consistency.
- Researched and implemented emerging AI practices to streamline evaluation workflows and improve annotation speed and quality.

Backend/ AI Engineer Intern **Empathetic AI**, Sydney 07.2024 – 11.2024

Description: Developed the creation of Australia's first AI Tax Copilot, Luna, powered by advanced Generative AI technology, which won Top 3 in Australia's inaugural AI Sprint.

Technologies: Python, React, FastAPI, Celery, Next.js, Git, CI/CD, Docker, AWS

- Engaged in the development and maintenance of front/backend services for Luna, Australia's first AI Tax Copilot, leveraging advanced technologies in **Python**, **NextJS** and **FastAPI**.
- Enhanced Luna's tax scenario efficiency by integrating complex task queues with Celery, deploying with **Docker**, and scaling through **AWS**.
- Engaged in R&D initiatives focused on RAG, multimodal LLMs (Large Language Models), and the advancement of data privacy and desensitization.

Software Engineer Intern **Aubot**, Melbourne 06.2024 - 07.2024

Description: Utilized innovative online educational platform offering interactive coding courses designed for

young students to foster digital literacy and coding skills.

Technologies: Java, Python, C

- Engaged in the development of interactive educational modules for programming languages, including Java, **Python** and C, enhancing learning experiences for students using Aubot's educational portal.
- Conducted quality assurance testing to ensure the accuracy and functionality of educational content, contributing to a reliable and effective learning platform.
- Utilized user feedback and analytics to refine and optimize educational content and platform features, fostering an engaging learning environment.

Postgraduate Research Fellow

University of Queensland, Brisbane

01.2024 - 04.2024

Description: Utilized Advancing prompt learning from NLP to improve vision-language models, employing Stable Diffusion to enhance model adaptability and effectiveness.

Technologies: Python, PyTorch, TensorFlow, Stable Diffusion

- Advanced the development of prompt learning techniques from NLP to enhance vision-language models, specifically focusing on models like CLIP, using **Python** and advanced machine learning frameworks.
- Utilized PyTorch and TensorFlow to fine-tune vision-language models, improving their adaptability and performance across various datasets.
- Explored zero-shot learning methods to increase the robustness and utility of vision-language models, positioning them for broader application in real-world scenarios.

Instructor

Junior Engineers, Brisbane

11.2023 – 03.2024

Description: Facilitated computer programming and robotics classes for students, tailoring lessons to individual learning styles and promoting technological education.

Technologies: Python, Arduino, Scratch

- Led programming and robotics classes, employing educational technologies and programming languages like Scratch, **Python**, and Arduino to cater to diverse learning styles.
- Developed and implemented lesson plans that utilized hands-on learning approaches to enhance student engagement and understanding of technology.
- Engaged in professional development to stay updated with the latest advancements in tech education and pedagogy.

Software Engineer Intern

Nantian Electronics, Beijing

11.2021 – 02.2022

Description: Developed the office automation system for the Bank of China and scalable solutions tailored to client specifications.

Technologies: Python, Spring Boot, ASP.NET, REST APIs, MySQL, CI/CD, Git

- Analyzed and redesigned system architectures for modernization projects, particularly for the Bank of China, using **Python** and Spring Boot for backend development.
- Integrated ASP.NET and **Restful API** for middleware components, enhancing system integration and user experience.
- Supported the deployment and operational phase post-launch, including user training, system and database maintenance using **MySQL**.

Certificates

Deloitte Australia Technology virtual experience program on Forage	Aug 2023
Electronic Arts Software Engineering virtual experience program on Forage	Aug 2023
Cyclone RPA (Robotic Process Automation) Certification	Dec 2021

Education

Master of Data Science University of Queensland (2023.08 – 2025.7)

GPA: 6.25/7

Core courses: information retrieval, artificial intelligence, computer vision, cloud computing, data Mining, data analysis

Bachelor of Computer Science University of Queensland (2021.02 – 2023.7)

Core courses: Python, Java, JavaScript, C, advanced database systems, machine learning, algorithm and data

Referees

Angela Shi	Founder & CEO at Empathetic AI	0432391133	angela.shi@empathetic-ai.com
Dongjie Wu	Tech Lead & AI Architect at Plus AI	0415925578	dwu.jacob@gmail.com