DongYiu Wu

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EDUCATION

University of the West of England   **Bristol, United Kingdom**

Bachelor of Computer Science   *Graduation Date: Jul 2025*

SKILLS

Programming Languages: Python, JavaScript, VBA, C#, Typescript, Java, C++

Frameworks: React, FastAPI, TensorFlow, Keras, Nuxt.js, WPF

Database: MySQL , Entity Framework, MongoDB

WORK EXPERIENCE

Sanoh UK   **Bristol, United Kingdom**

System Integration Engineer   *Sep 2024 - Present*

- Automated manual processes using Python and SQL, saving 3 hours of daily manual work and minimising errors.
- Migrated VBA workflows to Python, ensuring data scalability and robustness.
- Designed optimised SQL queries to improve data extraction and integration between ERP systems.
- Collaborated with stakeholders to align automation efforts with business needs, achieving near-zero data errors.

Johnson Control   **Sunbury-on-Thames, UK**

Software Engineer Intern   *Jul 2023 - Jun 2024*

- Optimised application performance by reducing load times from several minutes to 3 seconds, improving user experience and system responsiveness.
- Led a database migration from file-based to relational using Entity Framework, collaborating on architecture analysis and ensuring seamless data flow.
- Upgraded application from .NET Framework 4.8 to .NET Core 7, resolving compatibility issues and increasing scalability.
- Managed tasks with Jira and maintained a scalable codebase using MVVM architecture.

Studio Green Architecture   **Bristol, United Kingdom**

Web Designer   *May 2023 - Jun 2023*

- Designed and deployed a responsive portfolio website using HTML, CSS, Tailwind, and JavaScript, increasing client engagement.
- Configured and deployed the site on Oracle VPS, resolving domain and DNS issues for successful hosting.
- Delivered the project on time, receiving 100% client satisfaction.

PROJECT EXPERIENCE

Zara...Kind of   **Barcelona, Spain**

Full Stack Developer (Hackathon Project)

- Built an AI-driven shopping platform using React and FastAPI, offering personalised recommendations for users.
- Fine-tuned a ResNet model to process 140,000 images, achieving high accuracy in identifying similar products.

Alarm And Afraid, Anti Arsonists Association   **Sunbury-on-Thames, UK**

Backend Developer (Hackathon Project)

- Developed a Generative AI chatbot for inventory management, integrating TensorFlow for stock prediction and GPT API for natural language interaction.
- Built the backend using FastAPI for efficient data handling and real-time communication between users and the AI model.
- Won the grand prize at JCI Techathon 2024, recognised for innovative AI applications in inventory management.