Ugwu Emmanuel

Portfolio | LinkedIn | GitHub

Location: Hefei city, Anhui province, China

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Web Developer | Researcher

I am a web developer skilled in **HTML, CSS**, and some **JavaScript**, with freelance project experience. Currently, I'm learning **PHP**, **MySQL**, and **Django** to build dynamic applications and integrate **deep learning** models, having worked with **CNNs**, **RNNs**, and **Transformers** using **Python**. I also have experience with **Arduino** for IoT and robotics, and am exploring **Raspberry Pi** for more advanced automation projects.

Technical Skills

Languages	:	HTML, CSS, JavaScript, PHP, Python, C
Frameworks	:	Django
Databases	:	MySQL
Dev Tools	:	Visual Studio Code, Git

Experience

Web Developer
Freelance
Apr 2022 – Present
Remote

- Developed user-friendly and responsive websites using **HTML, CSS**, and **JavaScript**
- Currently learning **PHP** and **MySQL** to build more dynamic web applications
- Focused on clean design and functionality for improved user experience

Deep Learning Projects
Self-Directed
Sept 2023 – Present
Remote

- Worked on several projects involving **CNNs, RNNs**, and **Transformers** using **Python**
- Gaining proficiency in **Django** to integrate machine learning models into web applications
- Continuously improving skills in model training and deployment

IoT and Robotics Projects
Self-Directed
Mar 2021 – Present
Remote

- Built various **Arduino** projects focusing on sensor integration and automation
- Expanding skills to include **Raspberry Pi** and other **microcontrollers** for complex **IoT** and **robotics** projects
- Excited about the integration of smart devices and automation technologies

Education

University of Science and Technology of China
Masters of Science (MSc) in Computer Technology
Hefei, Anhui, China
Sept 2023 – Present GPA: 3.55/4.00

Jiangxi University of Engineering
Bachelor of Science in Engineering (BSc Eng) in Electronic and Information Engineering
Jiangxi, China
Sept 2019 – May 2023 GPA: 4.00/4.00

Projects

Ongoing Portfolio Website — *HTML, CSS, JavaScript, Git* — Source Code

- Creating a personal portfolio website to showcase my skills and projects with a modern, interactive design.

Arduino IoT Smart-Home System for Temperature Stability and Fire Protection — *Arduino, IoT, C, Git* — Source Code

- Developed an IoT smart home system for monitoring temperature and fire safety using sensors with real-time data transmission.

Enhancing Face Detection and Recognition for a Classroom Attendance System — *Python, OpenCV, Git* — Source Code

- Implemented a face detection and recognition system for classroom attendance, improving accuracy across different lighting conditions.

REFERENCE

Available upon request