

Darian Lawrence

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EDUCATION

University of South Wales

Foundation Degree in Information Communication Technology

Ystrad Mynach, Wales

September 2023 – May 2025

Coleg y Cymoedd

Level 3 Enhanced Diploma in Computing

Ystrad Mynach, Wales

September 2022 – May 2023

EXPERIENCE

Technical Support Assistant

Coleg y Cymoedd

September 2024 – March 2025

Ystrad Mynach, Wales

- Supervised classes and peers during practical sessions, providing guidance and assistance with task completion.
- Taught peers and classmates how to perform technical tasks, ensuring clear understanding and effective execution.
- Wrote comprehensive documentation for assignments, outlining step-by-step instructions and solutions for various tasks.
- Assisted in troubleshooting and resolving issues faced by students during hands-on practicals.
- Repaired faulty systems and hardware, ensuring all equipment was in working order for practical sessions.
- Conducted project audits on systems, identifying issues, assessing their severity, and suggesting solutions for improvement.

PROJECTS

Snore | *C#, Discord.Net, PostgreSQL*

Ongoing

- Developed and maintained a general-purpose Discord bot using *C#* and *Discord.NET*, with features for automation, moderation, and community engagement.
- Implemented *Entity Framework Core* with *PostgreSQL* for data storage, and optimized performance using *async/await*, *Redis*, and *Hangfire*.
- Deployed the bot with *Docker* and *Kubernetes*, and managed *CI/CD* with *GitHub Actions*.
- Followed *SOLID* principles for maintainable, scalable code.
- Integrated rate-limiting, anti-bot protection, and role-based access control (*RBAC*) to enhance bot security and protect against spam and abuse.

TECHNICAL SKILLS

Languages: Ruby, Python, *C#*, SQL, JavaScript, HTML, CSS

Developer Tools: Git, GitHub, Docker, Kubernetes, Linux, Visual Studio Code