Shaun Taylor

Software Engineering Student | Web Developer | Product Builder

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Profile

Computer Science student with strong academic performance and shipping real-world software. Developer of an AI-powered B2B and B2C SaaS, award-winning hackathon competitor, and freelance web developer delivering production-ready applications. Interested in system design, data-driven problem solving, and building reliable, user-focused products.

Education

BSc (Hons) Computer Science, University of Salford (2023–2027),

- Predicted Grade: **First Class (1:1)**
- Key modules: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Web Development, Database Systems, AI & Data Mining

Technical Skills

- Languages: Python, Java, JavaScript, TypeScript, C#, PHP
- Frameworks & Tools: React, Next.js, Tailwind CSS, Node.js, Prisma, Git, Supabase
- Cloud & Platforms: Vercel, GitHub, AWS (fundamentals)
- Concepts: REST APIs, authentication, data modelling, testing, performance optimisation

Projects

- **AI-powered SaaS (Cortex Tree)**: Full-stack Next.js application using OpenAI API to generate structured JSON skill trees, with authentication, persistence, and production deployment
- **Quantitative Trading System**: Python-based automated trading bot developed during a university hackathon, optimising portfolio allocation and risk under competitive constraints
- **VahallaKetta**: Production Next.js website for a real client with server-side rendering, email pipeline, image optimisation, and incremental static regeneration
- **Algorithm Visualiser**: Interactive web application demonstrating sorting algorithms for educational use

Experience

- ***Freelance Web Developer (2023-Present)***: Designing and deploying modern web applications and portfolios for clients, with a focus on performance, accessibility, and maintainability
- ***Wingstop***, Salford ***(2025-Present)***: Supported high-volume service during peak trading periods, maintaining accuracy, communication, and coordination under pressure
- ***McDonald's***, Leigh ***(2021-2024)***: Developed teamwork, customer communication, and problem-solving skills in a fast-paced environment

Awards & Achievements

- Winner, University of Manchester Quant Trading Hackathon (cash prize)
- University of Oxford Bebras Challenge: Certificate of Gold and Distinction
- Computer Science Academic Excellence Award