KIERAN GLEDHILL

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◆ PROFESSIONAL SUMMARY

Final-year Computer Science student at the University of Huddersfield (predicted First-Class Honours) with a completed 13-month Digital Innovation placement at Rolls-Royce Motor Cars. Delivered multiple production-grade software systems, automation tools, and analytics solutions now embedded into daily manufacturing operations, including a flagship asset tracking platform generating significant annual savings. Experienced across the full delivery lifecycle: problem scoping, architecture, stakeholder engagement, deployment, and handover. Strong practical background in .NET, Python, Oracle APEX, and the Microsoft Power Platform, with additional experience across web development and enterprise tooling. Seeking graduate Systems Engineering roles involving complex technical problem-solving.

◆ EDUCATION

BSc (Hons) Computer Science – Predicted First-Class Honours · University of Huddersfield *2023–2027*

CMI Level 5 Certificate in Management and Leadership *2026*

◆ EXPERIENCE

Digital Innovation Intern – Rolls-Royce Motor Cars · BMW Group *July 2025 – July 2026*

- Co-developed a plant-wide Oracle APEX asset tracking platform covering 2,100+ manufacturing jigs and tools, integrating QR scanning, Zebra label printing (ZPL), automated email escalation workflows, and live Power BI dashboards. Used by 100+ concurrent users twice daily; drives shift-start Ready-to-Run decisions and generates savings in the high tens of thousands of pounds annually.
- Performed Python analysis of 270,000+ production records spanning 8+ years using a custom high-performance CSV parser with no external libraries, implementing five logical validation checks with a sub-10-second runtime on the full dataset. Results formally recognised by BMW Group headquarters in Munich.
- Automated a daily 2-hour manual process using Python, Windows UI automation, and PowerShell, saving approximately one full working day per week with Teams webhook alerting for error visibility.
- Designed and delivered three enterprise Power Apps replacing fragmented Excel workflows: an interactive visual assessment tool, a full CRUD stock management system with fuzzy search, and an operations startup app generating executive daily summaries.
- Built a Power BI skills matrix and workforce analytics dashboard from Jira data extracts, supporting capability gap analysis and team development planning for senior stakeholders.
- Led weekly agile sprint planning sessions as the team lead, setting priorities, assigning work across team members, and holding the group accountable for delivery against milestones.
- Produced and presented technical proposals and recommendations directly to director-level leadership; managed end-to-end requirements, documentation, and full intern handover.
- Awarded Outstanding Plus (O+), the highest possible placement grade, formally recognised for "setting a standard worthy of imitation."

Crew Trainer / Crew Member – McDonald's *September 2021 – April 2025*

- Built communication, teamwork, and customer service skills in a high-pressure environment; maintained consistent part-time employment throughout full-time academic study.

◆ TECHNICAL PROJECTS

Personal Portfolio Website · *HTML / CSS / JS · Cloudflare Pages · Porkbun* · kgledhill.com

Designed and deployed a fully custom portfolio site featuring a terminal-style boot sequence, classified-document project cards, and an animated skill constellation.

Self-managed end to end: domain registration, DNS configuration, and Cloudflare Pages deployment pipeline.

Custom CPU Architecture · *Logic World · Digital Logic*

Designed and hand-wired a modular 8-bit CPU from first principles in Logic World, including RAM, registers, a full ALU, custom instruction set architecture, and an 8-bit data bus.

Architecture designed for staged expansion; long-term roadmap targets a full RISC instruction set implementation.

Database Engine · *C# · Dissertation Project · In Progress*

Building a relational database engine from scratch covering custom storage structures, indexing, query execution pipeline, and a bespoke query language with no external DB libraries.

Final deliverable: a fully documented standalone engine with a Windows Forms query interface.

Board Game Simulation and AI · *C# · .NET · Windows Forms · SQL*

Built a turn-based board game with a normalised relational database backend and a custom move-ranking AI opponent using heuristic evaluation.

◆ TECHNICAL SKILLS

Languages: Python, C#, SQL, JavaScript, HTML/CSS, VBA, PowerShell

Frameworks and Platforms: .NET, Windows Forms, Oracle APEX, Microsoft Power Platform, Power BI (DAX, Power Query), REST APIs

Automation and Systems: UI automation, workflow automation, Teams webhook alerting, ZPL/Zebra label printing, RESTful API integration

Infrastructure and Tooling: Networking, DHCP, IP addressing, hardware deployment, .NET Support Manager, client configuration, Cloudflare DNS/Pages

Concepts and Methods: Relational DB design (3NF), systems engineering, software architecture, agile delivery, stakeholder communication

Tools: Jira, Confluence, Microsoft Teams, Git, Power BI Service, SAP BusinessObjects, Oracle APEX Builder, Microsoft Office