Leo William Steel

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Computing undergraduate at Bournemouth University with experience in software development, automation, and data-driven systems through industry roles and university projects. Strong problem-solving skills demonstrated through applied AI, machine learning, and full-stack development projects. Comfortable working in structured development environments and collaborating within technical teams

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Education:

2019/2023 – A levels - Bedes Senior School
- Ceramics, BTEC Business and IT - A, D, D

2024/2028 - BSc Computing - Bournemouth University
- projected high 2:1

Technical skills

Programming: Python (Pandas, NumPy, matplotlib, seaborn), SQL, JavaScript
Data & AI: data analysis, data visualisation, regression
Concepts: software development lifecycle, automation, API

Employment history:

2025 - Applied technology & AI in supply chain & logistics, Volklec
- automated SIOP workflows using AI tools, spreadsheets, and code
- built simulation models to support inventory and operation planning
- developed a dashboard and automated sales pipeline to improve accuracy and efficiency

2025 – IT work, Rebbeck Brothers & My fire door LTD
- digitised paper records into a structured digital filing system
- using AI tools to identify and filter potential clients
- Supported targeted email campaign using data-driven lead selection

2023 - Waterfront Counsellor, Gold Arrow Camp, California
- supported water activities and taught water safety to children aged 6 – 16
- organised group activities and encouraged teamwork and responsibility

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Projects & Experience

2025 – conversational AI chatbot
- developed a full-stack chatbot using Express.js, REST API, and local semantic embeddings
- Implemented a three-layer response system combining small talk, semantic matching, and AI fallback
- designed an accessible frontend and validated using and compliance with WAVE tools

2025 – MOD Corsham AWS DeepRacer competition (representing Bournemouth University)
- designed and optimised autonomous racing models using reinforcement learning
- Competed on AWS representing Bournemouth University

2025 – Air quality forecasting system
- built a big data pipeline to collect and analyse environmental datasets
- Applied machine learning using regression to forecast the air quality index
- used data visualisation to communicate insights

2025 – Technology Work Experience – JLLT (JLL Technologies)
- gained exposure to enterprise technology support business operations
- participated in meetings and technical discussions with senior engineers

2024/2025 - Hackathon Projects – Bournemouth University
- developed prototype solutions for sustainability and conversational AI challenges

2025 – CIB week – Bournemouth University
- designed a referral system for prototypes for BAE Systems
- Conducted stakeholders research, systems analysis and SQL databases design
- presented a solution to industry professionals

Reference available on request