

SEAN BECK

Upper Second-Class Graduate in Computer Science

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Profile

Computer Science graduate (2:1, Swansea University) with three years of professional experience in financial data management. Strong technical foundation across software development and data analysis, complemented by hands-on experience handling large volumes of data with accuracy and attention to detail. Analytical and adaptable, with a keen ability to interpret complex information and communicate findings clearly.

Education

Swansea University

2017-2021

Upper Second-Class BSc (Hons) Computer Science

Dissertation: Web Scraping & NLP for Climate Change Sentiment Analysis (60% - Merit)

Scraped and processed online climate change discussions, applying NLP (NLTK) to classify sentiment for and against man-made climate change. Developed and evaluated supervised machine learning models, comparing their performance against NLTK's built-in sentiment analysis.

Key Modules: Human-Computer Interaction (81%), Software Engineering (78%), Fundamentals of Robotics (77%), Modelling Computing Systems (74%), Concepts of Computer Science (70%), Algorithms (70%), Advanced Object Oriented Programming (66%)

Kenilworth Sixth Form

2014-2016

Business (B) Graphics Communications (D) Economics (C)

Kenilworth School

2009-2014

10 GCSEs including Mathematics (B), English (C)

Work Experience

Commercial Boiler Services LTD

2023-2026

Financial Data Analyst

- Managed and processed over 500 financial transactions per month, ensuring 99%+ accuracy and full compliance with company policies and regulatory requirements.
- Performed monthly bank reconciliations and quarterly VAT returns, identify and resolving an average of 15+ data discrepancies per cycle.
- Maintained a structured digital records system of 1,000+ documents, improving data retrieval efficiency for a team of 5 accounting staff.
- Processed payroll for 3 employees monthly, achieving 100% on-time delivery with zero payroll errors over a 12-month period.

The New Zealand Butter Company

2023-2023

Data & Operations Intern

- Managed and updated company website content, maintaining accuracy across 10 product pages and contributing to a measurable improvement in user engagement.
- Assisted in operational auditing by analysing datasets across 3 departments, identifying key discrepancies and recommending process improvements that enhanced compliance and efficiency.
- Conducted market research analysing consumer trends and competitor performance across 10+ competitors, producing reports that directly informed strategic and marketing decisions.

Commercial Boiler Services LTD

2017-2023

Heating Engineer Assistant

- Delivered timely on-site services across 10+ client visits per week, consistently meeting scheduling requirements in a fast-paced, unpredictable field environment.
- Built and maintained strong client relationships across a portfolio of 50+ customers, contributing to high levels of repeat business and customer satisfaction.
- Upheld strict health and safety compliance across all site visits over 6 years contributing to a zero serious incident record throughout tenure.

Skills

Software & Data Analysis

- Data Gathering (web scraping, querying, SQL)
- Data Cleansing (normalisation, deduplication, handling missing data, formatting)
- Data Manipulation (Python, Pandas, NumPy, data transformation)
- Data Visualisation (Tableau, Matplotlib)
- Statistical Analysis (hypothesis testing, R, Python libraries)
- Microsoft Office (Word, Excel, PowerPoint)
- Financial Software (Sage – invoicing, payroll, and accounts management)

Technical Skills

- Programming Languages (Python, Java, C, C++, R, etc.)
- Web Development (HTML, CSS)
- Databases (MySQL)
- Version Control (Git)
- Machine Learning / AI (TensorFlow, scikit-learn)

Regulatory Knowledge

- GDPR data handling
- Data Protection Act 2018