

SAM COOK



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High achieving Computer Science undergraduate with strong foundations in data analysis, algorithms, and programming. Experienced in python and SQL with practical exposure to database design. Passionate about extracting insights from data to solve real-world problems.

EDUCATION

NEWCASTLE UNIVERSITY, UK

2024 - Present

- Relevant modules: Foundations of Data Science, Algorithm Design and Analysis, Software Systems Design, Programming Paradigms
- Key skills developed:
 - Strong foundation in statistics, probability, and linear algebra applied to computational problem-solving
 - Experience with database design, querying, and data manipulation using SQL (MySQL) and MongoDB
 - Proficiency in Python and Java, with emphasis on writing clean, testable code using Git for version control
 - Developed a meal planner application as part of a team project, applying agile principles to coordinate task delegation and iterative development
 - Solid understanding of data structures and algorithmic complexity for efficient data processing

ROUNDHAY SIXTH FORM, LEEDS, UK

2022 - 2024

A-Level Qualifications:

- Politics - A
- Mathematics - A
- Computer Science - A
- Extended Project (Level 3 Qualification) - A

ROUNDHAY SCHOOL, LEEDS, UK

2017 - 2022

10 GCSES including:

- Mathematics - 8
- English Language - 7

RELATED EXPERIENCE

WORK EXPERIENCE: IT TEAM, BLACKS SOLICITORS

July 2022

- Gained hands-on experience in database management
- Explored and managed network infrastructure and key systems, including database and case management software, and MS Azure for remote desktops.
- Provided technical support, including troubleshooting and fixing computers.
- Utilised Mobile Device Management tools to manage and set up devices for employees
- Delivered presentations as a part of a lunchtime public speaking group in front of senior partners.

ADMINISTRATIVE & IT SUPPORT AT WALTON & CO (PLANNING LAWYERS) LTD

May 2025 - July 2025

- Managed the digitisation of sensitive client case files, ensuring the confidentiality and integrity of legal documents.
- Provided technical support to employees, troubleshooting issues with hardware, software, and network connectivity.
- Gained experience working in a professional legal environment, developing strong communication and problem-solving skills.
- Communicated with senior partners and colleagues to maintain accurate document organisation and support legal workflows as the office transitioned away from paper.
- Observed proceedings at Leeds Crown Court, engaging directly with the client beforehand to gain first-hand insight into case preparation and courtroom processes.

GradeKit: Course Manager - iOS Application (Personal Project)

- A data-driven application that helps students track academic performance and make informed decisions about their studies.
- Designed and implemented a data model to store and structure grades, assignments, and timetable information, enabling meaningful analysis of academic progress
- Built analytics features that process user data to generate personalised insights, helping users identify trends and prioritise workload
- Independently managed the full development lifecycle from initial concept through to public release, iterating based on user feedback
- Achieved 18k impressions and over 400 downloads since launch, demonstrating ability to deliver a product that solves real user problems

ADDITIONAL EXPERIENCE

KITCHEN WORKER AT HERN RESTAURANT, LEEDS (PART-TIME)

Sept 2022 - Sept 2024

- Ensured smooth kitchen operations by efficiently managing dishwashing and cleaning tasks.
- Assisted front-of-house service, including occasional food running and table turnover.
- Delivered polite and attentive customer service to support a positive dining experience in such a small space.
- Worked collaboratively within a small team.

TEAM MEMBER AT MEAT:STACK, NEWCASTLE (PART-TIME)

August 2025 - Present

- Serve customers and handle orders, providing a friendly and efficient service in a fast-paced environment.
- Prepare and present food items in line with quality standards.
- Support both kitchen and service operations, with flexibility across front and back-of-house roles.
- Collaborate with team members to maintain smooth daily operations and uphold high customer satisfaction and achieve business goals.

INTERESTS

- Written analytical articles on Substack exploring AI industry economics, including the profitability challenges facing major AI companies and the strategic decisions shaping the sector
- Active member of Newcastle University Politics Society, regularly attending debates and discussions on policy and current affairs
- Enjoy building personal technical projects outside of coursework, including home automation systems using Raspberry Pi and Home Assistant
- Recently planned and completed an independent solo travel trip, managing logistics and budgeting throughout