

Nya Cunningham

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Education:

University of Nottingham (2024 - Present) - BSc Computer Science (3 years)

Trinity Sixth Form (2022 – 2024) - A Levels: Computer Science (A), Biology (A*), Religious Studies (A), EPQ

Trinity Catholic High School (2017 – 2022) - GCSEs: 10 A*-A including English (A*) and Mathematics (A)

Work Experience:

Apr 2025	Data Analytics, Kainos	Birmingham
	<ul style="list-style-type: none">Conducted data diagnostics on a client's large dataset and presented findings on user demographicsUsing technical skills (Pandas, Matplotlib, Jupyter Notebook, Python) to present useful, sorted data to a panel of two stakeholders.	
Jul 2024	IT Intern, British Red Cross	Hybrid
	<ul style="list-style-type: none">Collaborated with a manager to conduct IT analysis on a large-scale database systemProduced a task analysis and sequence diagram for a complex financial system with interconnected components	
Jul 2023	Software Development, Firstco	London
	<ul style="list-style-type: none">Created a web application enabling retrieval of company project information on-demand, enhancing information access by 45%Using technical skills (Python, CSS, HTML) to integrate A.I into an application which retrieved company project information upon request	

Projects and Achievements:

Apr 2025	Software Engineering Group Project
	<ul style="list-style-type: none">Refactored poorly structured Java codebase by implementing robust JUnit test suites for unit testingUtilised Git for collaborative development, managing branching, rebasing, and conflict resolution while conducting code reviews to ensure adherence to coherent coding standards across a team of 5 developers.
March 2024	Extended Project Qualification (5000-word report and presentation)
	<ul style="list-style-type: none">Researched the benefits of early coding education, focusing on computational thinking, cognitive development, and parallels with language acquisition.Analysed educational tools (ScratchJr, Electronic Blocks), cost implications, and industry demand to assess feasibility of integrating coding into early education.
January 2024	Password Manager Web-Application
	<ul style="list-style-type: none">Built with HTML, CSS, and C#; allows users to store and manage logins safely, with secure data base encryption and hashing.Incorporated a user-friendly interface for easy password access, account creation, and editing.
Dec 2023	Advent Fundraising for Children in Need
	<ul style="list-style-type: none">Appointed Head of Fundraising and Finance, leading fundraising strategy, and event coordination.Organised school charity events, raising £500 for Advent initiatives, engaging over 1000 students, and fostering community involvement through collaborative efforts.

Technical Skills:

Frontend	React.js, CSS, HTML, JavaScript
Backend	Python Flask, SQL, C#, Java

Certifications and Awards:

Oct 2024	Amazon Future Engineer
Sep 2024	Faculty of Science Alumni Scholarship
July 2023	NPLQ Lifeguard Qualification & First Aid

Hobbies & Interests:

French Speaking – Taking 10 Credits of French Modules as-well as regular trips to France for hikes or city ventures.

Netball – Part of an Interim Netball Team at University of Nottingham, regulated team-training.

Lifesaving – Part of the lifesaving society which focuses on competitive teamwork accuracy, for relays and medical tasks.