

Jonathan Leathem

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EDUCATION

The University of Manchester, BSc in Computer Science and Mathematics Sept 2024 – Jun 2027

- Predicted First Class Hons (1:1)
- **Relevant Modules:** First Year Team Project, Statistics and Probability 1, Mathematical Foundations and Analysis, Introduction to Programming, Data Science

Banbridge Academy, A-Levels and GCSEs Sept 2017 – Aug 2024

- Achieved **A*AA** in A-Level Mathematics, Physics and Chemistry respectively and an **A** in AS Economics
- Achieved **10 A* grades** in GCSEs, including Mathematics and English Language
- **First in year** in AS Physics and Chemistry, **only one out of 183** in school to achieve 10 A* grades in GCSEs

WORK EXPERIENCE

Finance Intern, Camlin Group – Lisburn, United Kingdom Jun 2024 – Jul 2024

- Interviewed **10 employees** of Camlin Group, with discussions revolving around future investments, projected figures and financial statements, improving understanding of financial concepts and refining communication skills
- Acquired a strong, fundamental understanding of project management processes and the finances behind major infrastructures such as railways and wind turbines

Youth Leader, Grace Generation Church – Banbridge, United Kingdom June 2021 – Apr 2024

- Led **over 30** presentations for school children and developed online quizzes for them during lockdown
- Collaborated with other leaders to **double** the size of the youth group, growing it from **20 members to over 40 members**

Finance and Engineer Intern, ENE Conveyors – Banbridge, United Kingdom Jan 2023 – Feb 2023

- Reviewed use of materials used in conveyor belting in line with financial data to implement materials of **43 percent lower surface area**, cutting manufacturing costs by **9 percent**
- Engaged in meetings centred around investments in LED lighting and discussed costs and energy consumption figures, allowing investment to go forward and saving **10 tonnes of CO2 emissions per annum**

PROJECTS

News Aggregator ("Wing It") Dec 2024 – Present

- Worked within a **team of 8** to develop a functional bias detection web application with a dynamic **JavaScript-based** front end, a **Python (Flask)-based** back end, a **MySQL** database, and AI integration using LLMs (**Claude**) for natural language processing tasks
- Helped in implementing the front-end, alongside the data analysis involved in bias detection and database management

"Asteroid Meltdown" Oct 2024

- Built an asteroid game using the **Tkinter library in Python** that features dynamic difficulty adjustment, object movement, collision detection, and scoreboards that persist

RESPONSIBILITIES AND ACHIEVEMENTS

Treasurer for Manchester AI Club, The University of Manchester Oct 2024 – Present

- Managed budgeting, financial planning, and fundraising for a newly established AI club with **50+** members, optimising resource allocation and producing detailed reports to support strategic growth
- Evaluated and approved expense requests, coordinating funding for **5+** club initiatives, ensuring financial compliance, timely disbursement, and efficient budget management

Economic Analyst for Parkview Capital Management, Parkview Capital

Oct 2024 – Present

- Worked alongside a **team of five** in a student-led investment fund to deliver comprehensive research on corporate finance, commodities trading, and political developments
- Produced biweekly articles covering current events and their impact on financial markets, demonstrating strong communication and analytical skills

Head of Communications for Engineering Society, Banbridge Academy

Sept 2022 – Apr 2024

- Managed and oversaw communications between **40 members of the society**, helping develop the largest STEM society at Banbridge Academy
- Networked with **over 10** local companies and encouraged them to visit and deliver presentations for the society

SKILLS AND INTERESTS

- **Programming Languages:** Python (Intermediate), Pandas (Intermediate), C (Beginner), R (Beginner)
- **Languages:** English (Native), French (Limited Working Proficiency)
- **Membership:** MMA (Mixed Martial Arts) Society Member, Taekwondo Blue Belt, Manchester Data Science and Finance Society Member
- **Other Achievements:** Duke of Edinburgh Bronze and Gold Award, Mathematics Mentor for **six different** Junior Year and GCSE students, Founder of "LTutoring" GCSE Tuition Service, UKMT Mathematics Challenge Silver Award (**top 20 percent of 200,000 participants**), Harvard CS50x