

MIRANDA BAILEY

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Passionate and dedicated Physics student at Cardiff University with strong communication and presentation skills, developed through various people-facing roles. Proven experience in team collaboration and engaging diverse audiences, with a keen interest in science writing and media. Seeking a Science Writer internship at the BBC to apply my skills and contribute to clear, accessible science communication.

EDUCATION

BSc Physics, Cardiff University

2023 – Ongoing

Predicted: 2:1

Relevant modules:

- **Science Communication:** Designed and delivered a physics presentation, applied learning styles to engagement strategies, evaluated media communication challenges, and created a physics activity, taking responsibility for content development and delivery.

Cardiff Sixth Form

2021 - 2023

- **A levels:** Physics A*, Maths A, History B

Cardiff High School

2016 – 2021

- **GCSEs:** 11 x 9 - 7, including Maths, English and Science

RELEVANT EXPERIENCE

Mentor, Physics Mentoring Programme, Cardiff University

June 2024 – Present

- Deliver six interactive mentoring sessions per cycle, both online and in-person, focusing on the broader aspects of physics to inspire students considering post-16 options.
- Provide personalised guidance to mentees unsure about pursuing physics further, addressing their concerns and helping them build confidence in their academic choices.
- Develop mentoring materials and strategies, ensuring the sessions were impactful and aligned with the goals of the mentoring programme.

Assistant, Classroom Experience Project Cardiff University

May 2023 – June 2023

- Assisted the class teacher with lesson planning, resource preparation, and delivering personalised support to enhance student learning outcomes.
- Supported students with diverse learning needs, providing tailored assistance to improve understanding and encourage academic growth.
- Gained practical experience in classroom management and teaching techniques, developing strong communication, organisational, and problem-solving skills.

SKILLS

Communication: Developed strong verbal and written communication skills by delivering peer presentations and undertaking formal projects throughout my degree, which required conveying complex scientific results and ensuring the information was accessible to various audiences.

Collaboration: Worked effectively in a team on a first-year project focused on Planet Earth, coordinating tasks, sharing research, and contributing to a successful report and presentation. Communicated regularly to ensure efficient collaboration and a high-quality final outcome.

Logical thinking: Demonstrated the ability to think logically and understand complex ideas during a second-year research project. Analysed and synthesised large datasets, identifying patterns and drawing insightful conclusions to support the project’s objectives. Applied structured reasoning to solve problems and present findings in a clear, concise manner.

Organisation: Successfully balanced university deadlines with work commitments and responsibilities in the Chaos Society, managing multiple tasks efficiently. Prioritised workload, organised schedules, and met all deadlines, ensuring high performance across academic, professional, and extracurricular activities.

OTHER EXPERIENCE

Marketing and Communications Officer, *Chaos Society, Cardiff University* September 2024 - Present

- Current student member of Cardiff University’s Physics Student Society, *Chaos Society*.
- Develop marketing strategies to raise awareness amongst students of the society’s current initiatives and events, as well as raise the profile of the society to prospective members.
- Actively participated in organising and executing events aimed at promoting interest in physics, including guest lectures, workshops, and networking events with industry professionals.

Customer Service Assistant, *Sainsbury’s, Cardiff* September 2023 – Present

- Proactively respond to an average of 20+ customer enquiries per shift, ranging from product locations to customer complaints, effectively signposting customers dependent on their query
- Participated in regular team meetings, contributing ideas for improving customer service and store efficiency.
- Handled and scanned groceries in one of Cardiff’s major retail stores and processed an average of 100+ transactions per shift, maintaining a high level of accuracy.

PROFESSIONAL MEMBERSHIP

Student Member, *Institute of Physics* 2024 – Ongoing

- Participate in professional development opportunities and networking events within the physics community.
- Stay up to date with the latest developments and trends in physics through the Institute of Physics' publications, newsletters, and online platforms, enriching my academic and professional journey.

INTERESTS

Coding: Developing skills in various programming languages and technologies including Python, whilst working on several personal projects, ranging from web applications to automation tools. Undertaking online courses with Institute of Coding and the Open University to enhance knowledge.

References available on request