James Kimmins

MPhys Student at the University of Warwick

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Experience

Master's Thesis Oct 2026 - Present

Presently completing a master's project thesis titled "Search for New B Meson Decay Modes with the CERN LHCb Experiment".

CERN Summer Student Programme Jun - Sep 2026

Participated in the 2026 CERN Summer Student Programme. Placed within the Computing Systems section of the LHCb Collaboration and developed a new decay descriptor parsing and decay finding solution.

URSS Summer Project Jun - Oct 2025

Completed a project under Warwick University's Undergraduate Research Support Scheme (URSS). Spent the summer within the Elementary Particle Physics Group and worked on the Pandora event reconstruction software package for the DUNE and SBND collaborations.

Education

University of Warwick First (Working Grade: 84.5%)

Physics (MPhys) 2023 - 27

Richard Huish College A*A*A* (AA)

Physics, Chemistry, Mathematics (AS Further Mathematics, EPQ) 2021 - 23

Volunteer

Physics SSLC Chair Oct 2025 - Present

University of Warwick Physics Department

Elected to lead the Physics Student-Staff Liaison Committee (SSLC) to manage the collection, discussion, and resolution of the department feedback and the protection of the student voice.

Student Representative Oct 2025 - Present

Institute of Physics

Serving as the elected Student Representative on the Institute of Physics (IOP) West Midlands Branch Committee.

Treasurer 2025 - 26

Warwick Physics Society

Elected to the position of Treasurer holding the responsibility for the Society's financial solvency and its smooth operation as a core executive committee member.

Faculty Representative 2024 - 25

Warwick Students' Union

Elected by students to represent the Science, Engineering, and Medicine (SEM) Faculty to both the Students' Union and the University. Sat on several influential committees including the SEM Education Committee and Senate.

Awards

Physics Distinction List Jul 2026
University of Warwick Physics Department

Outstanding Contribution to Democracy Jun 2026
Warwick Students' Union

Forum of the Year Jun 2026
Warwick Students' Union

Highly Commended in Physics Jan 2024
Richard Huish College

Senior Physics Challenge (Gold) Jan 2022
British Physics Olympiad

Cambridge Chemistry Challenge (Silver) Jun 2022
University of Cambridge

Projects

New Decay Descriptor Parsing for LHCb
CERN

Improving Cosmic Ray Tagging Using Energy Deposition in Pandora
University of Warwick

Skills

Organisation
Event management, Leadership, Research

Programming
C++, C, Python, ROOT

Web Development
HTML, CSS, JS