

Curriculum Vitae

David Lawton

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Personal Details:

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Education:

Trinity College Dublin, BA Theoretical Physics. Summer 2023 Grade - 1, 70%. Summer 2024 Grade - Pass at Reassessments, 67% (Introduction to Group Theory failed on first attempt, 90% on reassessment.)

-Relevant Modules:

- Quantum Mechanics I & II
- Advanced Classical Mechanics I & II
- Classical Field Theory, Electrodynamics
- Statistical Mechanics I & II
- Condensed Matter I
- Computer Simulation I
- Linear PDEs

All other modules can be found at <https://www.maths.tcd.ie/undergraduate/modules/>

Work Experience:

No research experience in physics to date.

Awards/Acknowledgements:

Achieved Bronze Gaisce Award. Earned maximum points in LC 2022, including H1's in Maths, Physics, Applied Maths. Received Entrance Exhibition Scholarship from TCD. One of eight students in the course being put forward to go to PLANCKS 2025 UK & Ireland Preliminaries in Swansea, by the TPSA. Participated in TPSA Hackathon (Data Analysis, Python) and coding workshops (QisKit, MCMC methods) in 2024.

Skills

Software/Tools: Experience in use of Mathematica, Linux, as well as proficiency in Latex, Jupyter

Programming: Experience in Python and C++, as used in physics simulations.

Miscellaneous

[Trinity College Dublin] Theoretical Physics Student Association; *Member* (2022-2025)