

JORDAN WALSH

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EDUCATION AND PORTFOLIO

Physics | University College Cork

2020 – 2024*

Achieved Upper Second Class Honors (2:1) in Year 2 | Averaging First Class Honors (1:1) in Completed Year 3 Modules as of 01/12/22.

- Undergraduate Project (2nd Year) - Computational Physics
 - 'The Chaotic Tumbling of Hyperion' – An investigation and report into the chaotic orbital motion of Saturn's moon 'Hyperion' – C++
 - Grade: 87 / 100
- Undergraduate Project (2nd Year) – Experimental Methods
 - 'Fourier/Spectral Analysis and Bandpass Filters' – An investigation and report into the application and theory of bandpass and AC circuit design.
 - Grade: 19.5 / 20
- Undergraduate Report (3rd Year) – Experimental Methods
 - LEDs and LASERs (Applied Band Theory) – Characterisation, Measurement and Analysis of Optical Devices.
 - Grade: Not Yet Graded

Leaving Certificate | St. Joseph's Secondary School Ballybunion

2015 – 2020 | 602 Points

Awarded 602 points (of 613 Predicted), with a H1 in 5 subjects (including Mathematics, Physics, and Design in Communication Graphics).

- Leaving Certificate 'Design and Communication Graphics' Project:
 - Predicted Grade: 100 *(overall predicted grade for Design and Communication Graphics)
 - Investigated, Presented and Innovated the Product Design of Popular Audio Devices.



EXPERIENCE

Teaching Assistant | PY1052 (University College Cork)

September 2022 – Present

Graphics PRO | UCC Physics and Astronomy Society

May 2022 – Present

Junior Leader/Supervisor | KDYS

October 2017 – February 2018



SKILLS

- Excellent Programming Ability
Proficient in: C, C++, C#, Python, LabVIEW, Arduino, R
- Advanced Mathematical
- Good Ability to Work Under Pressure
- 3D Modeling and CAD Skills
- Presentation Skills – Strong Visual/Artistic Ability, Highly Experienced with numerous Graphical and Video Editing Tools
- Problem Solving