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## Education

- Ongoing    UNIVERSITY COLLEGE CORK  
              MSc Physics  
              Project Title: “Laser induced gas plasmas for cavity enhanced absorption spectroscopy”
- 2009-13    UNIVERSITY COLLEGE CORK  
              BSc (Hons) Physics, 1<sup>st</sup> Class Honours  
              Project Title: “Cavity enhanced absorption spectroscopy: The infrared absorption spectrum of carbon dioxide”
- 2003-09    ST. PETERS C.S., PASSAGE WEST, CO.CORK  
              Leaving Certificate, 515 points

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## Work Experience

- 2011        **Research Intern**  
              Quantum Optics Group  
              Tyndall National Institute
- 2009        **Lab Assistant**  
              Heineken Ireland,  
              Leitrim Street, Cork
- 2007        **Lab Assistant**  
              Pfizer Ireland,  
              Ringaskiddy, Co.Cork

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## Teaching Experience

- 2014-15    **Laboratory Demonstrator,**  
              UCC Physics Department
- 2009-15    **Grinds**  
              Various grinds in Maths and Physics, from Junior Certificate level to second-year undergraduate.
- 2014        **Tutor**  
              UCC+, First year physics.

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## Honours and Awards

- 2013        Top ranked student in final degree program
- 2010-13    Awarded title of “College Scholar” based on exam results

## Other Skills

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- Proficient in C, Python, Mathematica, Matlab, Labview, and Zemax.
- Proficient in most Microsoft Office packages.
- Conversational French, basic Irish .

## Affiliations

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- Institute of Physics Member
- UCC Physoc Member

## Academic Interests

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- Laser spectroscopy
- Laser-induced plasmas
- Cavity optics