

ROSS JENKINSON

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Summary

Accomplished academic and professional with experience in technology and research. Successfully completed a PhD in theoretical physics, supervised by Prof. Brian Cox and Prof. Jeff Forshaw. Deep understanding of the relevant foundational theory of quantum technologies crucial to advancing this field further. Proficient in data analysis, simulation, public speaking, high-quality presentations, and multiple programming languages.

Education

PhD: Theoretical Particle Physics 09/2021 to 03/2025

University of Manchester

- Working with Prof. Brian Cox and Prof. Jeff Forshaw
- Understanding the foundational quantum mechanics crucial to quantum computing
- Quantum field theory, particle scattering, black holes, holography, and quantum information
- Data analysis, simulation, and calculation in Python, Mathematica, and FORM
- Delivering presentations at international conferences
- Teaching first year tutorials, second year Python programming course, and third year examples classes

Master of Physics Degree (MPhys) – First Class: Quantum Computing 10/2017 to 08/2021

University of Oxford

- Complete education across all areas of mathematics and physics, specialising in quantum computing
- Data analysis, simulation, and calculation in Python, MATLAB, R and C

GCE Advanced Level Qualifications 09/2015 to 07/2017

Wilmslow High School

- A Levels: Four A*s in Physics, Mathematics, Further Mathematics and Chemistry
- GCSE Qualifications: Nine A*s; one A; FSMQ (Additional Maths)

Skills

- Data analysis and simulation
- Research-level mathematics
- Public speaking and presentations
- Teaching and lecturing
- Event planning
- Microsoft Office proficiency
- Amazon Web Services
- Python, Mathematica, MATLAB, R, C

Experience

Technology Summer Internship 06/2019 to 08/2019

NatWest

- Programming a working call centre using AWS and Python
- Worked in a team in an 'Agile' environment to participate in global projects, constantly adapting and reflecting
- Raised over £1100 as Team Leader of a charity project, utilising managerial skills, negotiation, and innovation

Research Placement in Nuclear Physics 07/2016 to 08/2016

Nuffield Foundation

- Produced a scientific report and a scientific poster for a Physics researcher at the University of Liverpool
- Extracted samples of earth to computationally analyse radioisotopes

Work Experience Placement 07/2016

Cancer Research UK

- Working in chemistry laboratories to develop new enzymes and proteins alongside established researchers
- Techniques involved included mass spectrometry, column chromatography, and computational chemistry

Accomplishments

- Winner of the Vitae 3-Minute Thesis public speaking competition for the University of Manchester
- Scholar and Exhibitioner of the University of Oxford (awarded for high attainment in examinations)
- Co-creator and Treasurer Oxford University Space and Astronomy Society (2019-2020)
- Freshers' Representative of St Catherine's College, Oxford, 2018 - Involved managing a budget of £8200, liaising with entertainment companies, and designing college merchandise
- Complete UK Driving License