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LinkedIn

PERSONAL PROFILE

Master's graduate in Physics with Astronomy (2:1) with strong analytical, programming, and problem-solving skills. Proficient in Python, MATLAB, and Linux, skills honed through academic projects and a funded research studentship. Quick to adapt, effective under pressure, and confident working in collaborative environments. Now seeking an entry-level finance or analytical role where I can apply my quantitative skills to real-world challenges.

EDUCATION

University of Southampton – Master of Physics with Astronomy (MPhys)
Second Class Honours, Upper Division (2021 - 2025)

- **Dissertation**: *Modelling the Pause Phenomenon in X-ray Bursts from Low-Mass X-ray Binaries*
  Processed and manipulated large datasets in Linux, exported key segments to Python, developed a new model variant from existing approaches, fitted data with multiple models to extract parameters, and validated results through statistical significance testing. Achieved a First.

Blundell's School – A Levels & GCSEs (2013 – 2020)

- A Levels (June 2020): Maths (A), Physics (A), Drama (B), Extended Project (A)
- GCSEs (June 2018): 9 subjects including Maths and English

EXPERIENCE

Research Assistant (Summer Studentship) – Quantum, Light and Matter Group
University of Southampton (June – August 2024)

Invited to undertake a funded 8-week research studentship after achieving 90% in my third-year final lab project. Gained full understanding of a hollow fibre optical setup, optimised light transmission, and developed MATLAB code to control and recall a nano-positioner used to house a sample under vacuum and cryogenic conditions. Successfully delivered the optimised system, and MATLAB code, meeting the project deadline. My work on the project led to a senior academic expressing willingness to create a PHD opportunity for me based on my performance.

Other Experience (2017 – 2025)

Held varied roles including Warehouse Assistant (The Range, Summer 2025), Crew Member (McDonald's, 2020-2021), Estate Worker (Pontispool Equine Centre, 2019-2020), casual hospitality & event work (Flora's Food & Kitchen, Serve Southwest 2017-2024). Held continuous employment throughout COVID and university holidays developing key skills of; resilience, adaptability, teamwork, and strong communication in fast-paced environments.

KEY SKILLS

- Programming (Python, MATLAB, Linux)
- Data analysis & problem-solving
- Teamwork & collaboration
- Communication & presenting
- Technical report writing
- Adaptability & willingness to learn

ACHIEVEMENTS & INTERESTS

- NEA Grade 8 Acting (Distinction)
- Piano & Trombone (ABRSM Grade 4)
- Sailing (RYA, level 4)
- 1st XV Rugby (University & School)
- Duke of Edinburgh Bronze & 10 Tors
- RYA Powerboat licence (Level 2)