

EDUCATION

University of Bath, *BSc HONS Physics & Astrophysics*

Oct 2021 – Present

- Expected graduation June 2025.
- Variety of modules including Quantum Mechanics, General Relativity, Computational Astrophysics & Mathematical Methods.
- Programming modules focused on data collection, modelling and analysis using Python, C and LaTeX.
- “Intrinsic Properties of Variable Stars” - Developed a Python-based project to identify and analyse variable stars, namely RZ Cep and RV Uma, capturing and processing phased light curves over time to study their intrinsic properties. Utilised packages such as AstroPy, CCDProc & Photutils to calibrate, align and generate a light curve through phase folding.

University of Cambridge, *HE+ Economics*

Oct 2019 – Nov 2019

- Selected to take part in the Higher Education+ scheme during my time at college, where I was introduced to higher-level economical concepts and statistical techniques.

Peter Symonds College, *A-Levels*

Sep 2018 – Jun 2020

- Maths (A), Physics (A), Chemistry (A).
- Extended Project Qualification, EPQ (A) – “Will humans be able to survive the journey to mars in my lifetime?”

Sherfield School, *GCSE's*

Sep 2013 – Jun 2018

- 9 GCSE's ranging from grades 7-9, including Physics (9), Mathematics (8) & Computer Science (8).

EXPERIENCE

Santander - Structured Finance & Commercial Clients (Internship)

Jul 2024 – Sep 2024

- Completed a summer internship with rotations within the London Structured Finance, FX, Rates & Commercial Clients teams.
- Conducted market research into fintech's and alternative banking platforms, as well as developing modelling techniques within Structured Finance.

Park Square Capital, LLP - Analyst (Placement year)

Jul 2023 – Jun 2024

- Completed a London based placement year in private credit performing analysis of both investors and assets when entering the funds. Assisted with the largest deal done at \$400m which included 13 co-investors.
- Created reports on target assets and investors using Power BI, RiskScreen and Reprisk to evaluate & quantify risk during onboarding of the eight fund closes, but to also facilitate ongoing monitoring.

Gibson & Jones Vets - Data Analyst

Feb 2023 – Jul 2023

- Self-employed analyst where tasks included weekly reporting of revenue and producing financial reports on a regular basis, using Python, Excel and Latex to compile these.

Lockton Companies, LLP - Insurance Broker (Internship)

Aug 2018 – Aug 2018

- Involvement in numerous roles such as underwriting and brokering. Spent a day withing Lloyds of London with a Senior Broker where we arranged coverage for clients.

Rothmans LLP - Tax & Audit (Internship)

Jul 2018 – Jul 2018

- Assisted with tax filings and regulatory research to prepare for client meetings. Gained an overview of the audit process.

SKILLS

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| • Proficiency in Python & C. | • Comprehensive understanding of Regression Analysis |
| • Adept in Jupyter, Pandas, NumPy & Matplotlib. | • Analytical & Problem-solving methods |
| • Statistical & Visualisation Packages within Python | • Advanced knowledge of Statistics & Probability |
| • Quantitative Finance techniques | • Proficient with Data Visualisation Techniques |
| • Knowledge of financial regulation such as MiFID II. | • Numerical Analysis |

ACHIEVEMENTS & INTERESTS

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| <i>Finance:</i> | CFA level 1 - I have recently passed CFA Level 1 in August 2024.
Financial Planning & Wealth Management (CFI) - I have completed and obtained a certificate in FPWM alongside my studies, to further broaden my knowledge on a career-focused path. |
| <i>Interests:</i> | Golf – I represented my local club in county competitions from the age of 14-17 and assisted with some of the younger members of the team. |
| <i>Extra-curricular</i> | Mathematics Challenge – Involved in a competitive Mathematics team while at college.
Physics Olympiad – Involvement in the BPhO program while at college. |