DANIEL BOLD

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EDUCATION

MASTER OF MATHEMATICS, University of Oxford   **2020-2025**
- Bachelor's 1:1, Master's predicted 1:1. Exhibition and two scholarships achieved.
- Relevant Modules: Theories of Deep Learning, Optimisation for Data Science, Statistics and Data Science.

'A' LEVELS, King Edwards VI College, Stourbridge   **2018-2020**
- A*A*A*A (Mathematics, Further Mathematics, Physics, Computer Science).

RELEVANT EXPERIENCE

INDEPENDENT PROJECT WITH QUANT, Freelance   **2024**
- Collaborated with a senior quant to investigate lead-lag relationships between security returns, inspired by a 2023 paper.
- Studied stochastic calculus and discretization methods to model and automate alpha generation strategies.
- With partner sourcing datasets, backtests achieved a Sharpe ratio of 2 in select periods, verifying author's results.
- Currently refining the algorithm to stabilize returns, with plans for implementation at a prop trading firm upon completion.

QUANT ACADEMY, CapitOx   **2024**
- Participated in a series of workshops and lectures that developed quantitative research skills and market intuition.
- Competed in market making simulations on speculative quantities, winning over two thirds of the games.
- Assumed a proactive teaching role, helping others with coding exercises and participating in group discussions.
- Engaged in discussion about quantitative trading and research from current interns and experienced investment professionals.

VENTURE CAPITAL ANALYST INTERN, Osney Capital   **2024**
- Supported the Partners with strategic projects, including making a presentation summarising the target industry to present to generalist VC firms and investors.
- Observed pitches for seed-stage and Series-A companies and discussed their viability as a VC investment opportunity.
- Presented market research in a 1-hour Q&A session with the Partners.

ASSOCIATE CONSULTANT, Oxford Strategy Group Digital   **2021**
- Completed four intensive workshops on machine learning and statistical analysis for consultancy and finance.
- Conducted market research on a case study with 175,000 data points.
- Presented a 10-minute slideshow to the society, with a 5-minute Q&A.

PRIVATE TUTOR, Freelance   **2021-2024**
- Delivered customised lessons tailored to 9 students, focused on developing their independent thinking abilities.
- Developed and maintained working relationships with parents/carers. Delivered weekly reports on progress.
- Accomplished a measurable improvement of 1 grade improved per exam-taking student.

LEADERSHIP EXPERIENCE

NINTENDO GAME LEAD, Oxford University E-Sports and Gaming Society (OUGES)   **2024**
- Handled home-side admin for inter-university tournaments, including publicization, sign-ups, team formation and venues.
- Liaised with senior society- and college- leadership to secure venues for events.
- Supervised sessions as an OUGES committee member to the dedicated E-Sports Suite, including access, security and safety.

IT OFFICER AND WEBMASTER, The Oxford Writers   **2023**
- Created and managed a website from HTML/CSS/JavaScript, totalling over 800 lines of code.
- Spearheaded the formation of the society and facilitated the launching of infrastructure over a period of 2 months.
- Drove the society to gain 35 members on their mailing list in 2 weeks and grow a social media following of over 400 followers in 9 months.

ADDITIONAL INFORMATION & INTERESTS

- **IT Skills**: Microsoft Office, Python, SQL, MATLAB, HTML suite, experience in many other languages.
- **Student Societies**: CapitOx, OSGD, Powerlifting Club, E-Sports Society, Jazz Band, Coding Club.
- **Interests**: Guitar, Piano, Powerlifting, E-Sports (Super Smash Bros Ultimate), Hiking.