ADAM C. JONES

(Last edited: 13th August 2025)

✉ adam.c.jones@maths.ox.ac.uk   🔗 Adam C. Jones   🖥 Website   🎓 Google Scholar

Education 🎓

University of Oxford   **Oxford, UK**
(DPhil) Mathematics of Random Systems CDT — *Sept. '22–Sept. '26*
- **Supervisor:** Blanka N. Horvath
- Full scholarship to study mathematical/quantitative finance and deep learning

University of Warwick   **Coventry, UK**
(MMath) Mathematics — *Sept. '18–July '22*
- **First class;** specialised in ergodic theory and dynamical systems with a focus on stochastic analysis
- **Dissertation:** Non-Ergodic Limit Theorems
- Other essays: On Călugăreanu's Theorem; On Options Greeks

Queen Elizabeth Sixth Form College   **Darlington, UK**
A-levels — *Sept. '16–July '18*
- A*A*A Further Mathematics, Mathematics, Physics (resp.)
- Qualified for the British Mathematical Olympiad

Publications 📄

Deep Neural Network Initialization with Sparsity Inducing Activations   **ICLR 2024**
With I. Price, N. Daultry Ball, S. C. H. Lam, J. Tanner

On Counting Cards and Learning Optimal Deviations from Blackjack Strategies   **SIGBOVIK 2025**
Solo author — *Received the SIGBOVIK Spirit Award*

Ambiguity-Averse Deep Hedging with Feature Clustering   **(Preprint) 2025**
With B. Horvath, C. Reisinger, B. Wood, L. Bai, A. Akkari

Experience 💼

JPMorgan Chase   **Canary Wharf, London, UK**
Quantitative Researcher, PT — *Sept. '23–Sept. '26*
- Collaborating on research also related to DPhil studies; please ask for further details

Next Bridge Advisors   **New York, USA**
Consultant, Remote — *Jan. '23–Mar. '23*
- Created a novel Bayesian-inspired model and efficient bespoke calibration algorithms for a mathematical problem related to business process automation. The project spun-off into Litefirm.

University of Oxford   **Oxford, UK**
Stipendiary Lecturer in Applied Mathematics — *Academic year '23–'24*
- Supervisions for students for Probability, Statistics, and Data Science at Lincoln College

Tutor — *Trinity term '22–'23*
- For A8 Probability and A9 Statistics at Lincoln College

Teaching Assistant — *Hilary term '22–'23*
- For two sets of B8.3 Mathematical Modelling of Financial Derivatives

Advanced Mathematics Support Program (AMSP)   **University of Warwick, Coventry, UK**
MAT/STEP/TMUA Tutor — *Summer '22*
- Prepared students soon to take university mathematics admissions tests (mainly for Cambridge, Imperial, Oxford and Warwick)
- Led problem solving classes and group activities; marked submissions with formative feedback; assisted with administration

University of Warwick   **Coventry, UK**
Graduate Teaching Assistant — *Academic year '21–'22*
- Three groups of first year (M)MORSE students
- Assignment marking and feedback; weekly supervisions; academic and non-academic support

Personal Projects 👥

Stochastic Analysis Study Groups — *Summer '22 and Summer '23*
- Garnered approx. 80 ('22) and over 200 ('23) students, researchers, and professionals interested in learning stochastic analysis online. Organised everything from study notes, curated exercises, support, and weekly meetings; very well received

Interactive Webpages — *Ongoing/Whenever*
- I have an interactive **Deep Hedging Bibliography Explorer**, where you can view various deep hedging papers and authors, with a filter connecting papers by their keywords. I also have a **Poker Tournament Blind Scheduler**, since I wanted something customisable and audible in my home games.

Technical Skills 🔧

Languages: proficient in Python with production experience; good but rusty at C++, Java.