ADAM C. JONES

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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
- Fully self-studied a statistics module (S3), achieving 100%

Publications

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

Experience

JPMorgan Chase
Canary Wharf, London, UK
Quantitative Researcher, PT
Sept. '23–Sept. '26

- Collaborating on research also related to DPhil studies

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

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

Technical Skills

Languages: proficient in Python (incl. NumPy, SciPy, Keras, etc.) with production experience; decent at C++, Java, Power BI