




# ADAM C. JONES

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## Education

### University of Oxford

(DPhil) *Mathematics of Random Systems CDT*

- **Supervisor:** Blanka N. Horvath

Oxford, UK

Sept. '22–Sept. '26

### University of Warwick

(MMath) *Mathematics*

- **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

Coventry, UK

Sept. '18–July '22

### Queen Elizabeth Sixth Form College

*A-levels*

- Qualified for the British Mathematical Olympiad

Darlington, UK

Sept. '16–July '18

## Publications

### Deep Neural Network Initialization with Sparsity Inducing Activations

*With I. Price, N. Daultry Ball, S. C. H. Lam, J. Tanner*

ICLR 2024

### On Counting Cards and Learning Optimal Deviations from Blackjack Strategies

*Solo author*

SIGBOVIK 2025

*Received the SIGBOVIK Spirit Award*

### Ambiguity-Averse Deep Hedging with Feature Clustering

*With B. Horvath, C. Reisinger, B. Wood, L. Bai, A. Akkari*

(Preprint) 2025

## Experience

### J.P. Morgan

*Quantitative Researcher, PT*

- Collaborating on research also related to DPhil studies; please ask for further details.
- Achieved 4th place overall in a firm-wide systematic trading competition. Annualised Sharpe was 2.38 over two months live.

Canary Wharf, London, UK

Sept. '23–Sept. '26

### Next Bridge Advisors

*Consultant, Remote*

- 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.

New York, USA

Jan. '23–Mar. '23

### University of Oxford

*Stipendiary Lecturer in Applied Mathematics*

- Supervisions for students for Probability, Statistics, and Data Science at Lincoln College

Oxford, UK

Academic year '23–'24

*Tutor/Teaching Assistant*

- A8 Probability; A9 Statistics; two sets of B8.3 Mathematical Modelling of Financial Derivatives

Various dates

### Advanced Mathematics Support Program (AMSP)

*MAT/STEP/TMUA Tutor*

- Led problem solving classes and group activities; marked submissions with formative feedback; assisted with administration

University of Warwick, Coventry, UK

Summer '22

### University of Warwick

*Graduate Teaching Assistant*

- Assignment marking and feedback; weekly supervisions; academic and non-academic support for 15 (M)MORSE students

Coventry, UK

Academic year '21–'22

## Awards

### DPhil Funding

- Full scholarship from the EPSRC for the CDT in the Mathematics of Random Systems: Analysis, Modelling and Algorithms. J.P. Morgan began contributing to this funding from Sept. '23 when I officially started collaborating with them.

Sept. '22–Sept. '26

### QuantMinds Peter Carr Memorial Award

- Top-voted PhD Poster, 1st out of 13. Won with a share of 33% of the votes.

Nov. '25

## Personal Projects

### Stochastic Analysis Study Groups

- 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

Summer '22 and Summer '23

### Interactive Webpages

- 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.

Ongoing/Whenever

## Misc

**Languages:** Python: I mostly use numpy, pandas, and tensorflow. I also play poker sometimes.