Dr Lawrence Lee
Curriculum Vitae

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ABOUT

Postdoctoral research fellow with proven quantitative expertise. Transitioning to a career in data science and machine learning, with programming proficiency demonstrated through an independently authored data-driven application.

EMPLOYMENT

Research Fellow in Mathematics   2022 – Present
University of Manchester

- Working on problems in dynamical systems, number theory and probability theory.
- Invited to the Universities of Bristol and Exeter for research visits.

EPSRC Doctoral Prize Fellow   2021-2022
University of Manchester

- Awarded a highly competitive one year research fellowship.
- Gave numerous invited seminar talks to discuss my research.
- Awarded a London Mathematical Society bursary, to supervise a summer project student.
- Completed a professional development programme: Paths to Research Leadership.

PUBLICATIONS

Published four academic papers with leading mathematical experts. These have appeared in the journals Ergodic Theory and Dynamical Systems, Nonlinearity, Mathematika and Mathematische Zeitschrift.

SOFTWARE (AVAILABLE ON GITHUB)

Housing App   An interactive app for predicting house prices, built with Scikit-Learn and Plotly Dash.

SKILLS

Programming   Python (NumPy, Pandas, Plotly Dash, Scikit-Learn, Seaborn, Tensorflow).
Other Technologies   SQL, Git, GitHub (including GitHub Actions), Docker, AWS (EC2, Lambda, S3), Terraform, Linux (including Bash), LaTeX.
Machine Learning   Familiar with a wide range of machine learning and statistical algorithms, including (but not limited to) regression, neural networks, clustering and gradient boosting.

EDUCATION

PhD in Mathematics (Fully funded by EPSRC)   2017-2021
University of St Andrews

- First prize (joint) for best talk at the Edinburgh Mathematical Society Postgraduate Meeting in 2018.
- Taught several tutorial groups and received highly positive feedback on my performance.

MMath in Mathematics (First Class Honours with Distinction, Avg 93%)   2013-2017
University of York

- Kathleen Ryan Project Prize for the best overall MMath final year project performance.
- P B Kennedy Prize for outstanding performance in the final degree examination in Mathematics.
- Annie Curry Williamson Scholarship (based on academic potential).
- Awarded funding for two summer research projects by EPSRC and the LMS.

CERTIFICATIONS

Machine Learning, Stanford University, Coursera.   2023
Deep Learning Specialisation, Deeplearning.AI, Coursera.   2022
IBM Data Science Professional Certificate, IBM, Coursera.   2022