

**Thomas Gaskin**

PhD Candidate

Faculty of Mathematics

University of Cambridge

Biography

Thomas Gaskin is a final-year Mathematics PhD Candidate at the University of Cambridge. He holds Master's and Bachelor's degrees in Physics and Mathematics from Heidelberg University, Germany.

He is interested in using deep learning approaches to infer model parameters from data, and has published on the application of neural parameter calibration to a diverse range of problems in engineering, epidemiology, and economics. He has also written on social network analysis and used Natural Language Processing to analyse populist dynamics on Twitter. Currently, he is working on a project to learn and forecast global migration flows, as well as applying neural inference and dimensionality reduction techniques to biochemical reaction models and single-cell dynamics.