

Education

DPhil in Mathematics University of Oxford Advisors: Gui-Qiang Chen, Luc Nguyen	2022–Present
Master of Mathematics and Computer Science University of Oxford Rank 1/36. First Class Honours. Thesis: Fundamental Solutions of Linear Partial Differential Operators	2018–2022

Awards and Scholarships

Clarendon Scholarship, University of Oxford	2022–Present
Mathematical Institute Scholarship	2022–Present
Hoare Prize in Mathematics and Computer Science	2022
Penultimate Year Prize, Oriel College	2021
Academic Scholarship, Oriel College	2019–2022
LMS Undergraduate Research Bursary	2021

Research Interests

Partial Differential Equations, Riemannian Geometry.
Currently studying problems related to isometric immersions of Riemannian manifolds, such as the immersion of negatively curved surfaces in three-dimensional Euclidean space.

Publications and Preprints

1. N. Boullé, I. Newell, P. E. Farrell, and P. G. Kevrekidis (2022). *Two-component 3D atomic Bose-Einstein condensates support complex stable patterns*. arXiv:2208.05703

Teaching

Part B Distribution Theory, TA	2022
Part B Fourier Analysis, TA	2023
Part B Functional Analysis II, revision class tutor	2023

Internships

Mathematical Institute, Oxford Summer Research Internship. Funded by a LMS Undergraduate Research Bursary. Project Title: Bifurcation Analysis of Two Coupled 3D Bose-Einstein Condensates Supervisor: Patrick Farrell	2021
Extremely Heavy Industries, Larchmont NY, USA Full stack web development.	2019