

Luke Kershaw

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Office 2.21, Fry Building, Bristol

SUMMARY Current 2nd year PhD student in Mathematics at the University of Bristol. Researching homological algebra and representation theory of finite-dimensional algebras.

EDUCATION **Ongoing**
Doctor of Philosophy, Mathematics 2019-2023 (*Expected*)
Focus: Representation Theory of Finite-Dimensional Algebras
University of Bristol, Bristol, UK *Supervisor: Prof. Jeremy Rickard*
Previous
Master of Mathematics, Mathematics October 2015 - July 2019
University of Warwick, Coventry, UK
First Class *Final mark: 83%*
Blue Coat School, Liverpool
*A Levels: 3A*s, 1 A* *GCSEs: 8 A*s, 5 As, 1 B*

RESEARCH EXPERIENCE **Previous**
4th Year Project, Tropical Geometry *Supervisor: Dr Diane Maclagan*
Warwick Mathematics Institute 2018-2019
An investigation into the properties of tropical geometry, with a focus on tropical orders of vanishing and comparison with their classical analogue.
2nd Year Essay, Tensors and Exterior Algebra
Warwick Mathematics Institute 2016-2017
An introduction to the ideas behind Exterior Algebras aimed at second year mathematics students. Used as an opportunity to learn independently about a topic that interested me.

TEACHING EXPERIENCE **Ongoing**
Teaching Support Assistant, Bristol School of Mathematics 2019-Present
Support 1st year maths students with Linear Algebra content. Focused on helping students to be mathematically rigorous in their arguments.
Previous
Supervisor, Warwick Mathematics Institute 2018-19
Mentor and support two groups of five 1st year maths students with all core modules. Communicate new ideas to students and assist in their general mathematical development. Complete marking and provide feedback in an effective and organised manner.
Peer Tutor, Warwick Mathematics Institute 2016
Provided support for Teaching Assistant of 1st year analysis class. Focused on helping students to understand how to think and communicate ideas rigorously.

