

Niki Kalaydzhieva

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QUALIFICATIONS

- Fellow of the Higher Education Academy, Advance HE** 2022
In recognition of attainment against the UK Professional Standards Framework for teaching and learning in higher education
- PhD Mathematics, University College London** 2016 – 2020
Thesis: *On problems related to multiple solutions of Pell's equation and continued fractions over function fields* (supervisor Prof. A Granville)
Relevant courses: *Teaching Undergraduates Mathematics* at UCL IoE
- MSci(Hons) Mathematics, University College London** **First Class** 2012 – 2016
Awarded: *Stevenson award 2013*

EXPERIENCE

- Lecturer, University College London** 2021 – present
Lecturing and curriculum development of undergraduate modules in pure mathematics. First-year coordinator and Chair of the Widening Participation Committee.
- On-line Teacher, MEI** 2020 – present
Delivering interactive online lessons on preparing for the Oxford MAT and STEP entrance exams.
- Lecturer, PROMYS Europe** 2023 – present
Planning and delivering a 6-week summer course on group theory to secondary school students as part of the international programme in mathematics, PROMYS Europe.
- Speaker & Organiser, The Royal Institution of Great Britain(RI)** 2016 – present
Planning and delivering two Masterclasses and summer workshops for groups of up to 100 secondary school students for year 5 to year 12. Organising and hosting UCL Mathematics Masterclass programme, joint with the Royal Institution.
- Event Lead & Organiser, Access and Widening Participation, University College London**
2016 – present
Secured funding, developed curriculum and ran multiple outreach projects for Year 12 students: Summer School in Logic and Proof, Summer School in Topology, Research project in projective geometry, Uni-Link Summer School on number theory.
- Head of Sponsorship and Events/ Editor, Chalkdust magazine** 2015 – 2020
Edited articles and created content for the magazine and the blog, secured sponsorship and acquired new sponsors (TPP, LMS, Jane Street NY), recruited and trained new team members on a yearly basis, organised 4 launch parties a year and outreach events.
- Co-organiser, Black Mathematician Month** 2017 – 2019
Wrote articles and interviews about prominent black mathematicians, planned and delivered enrichment events in 2017 and 2018, with speakers Dr. Nira Chamberlain and David Lammy (MP for Tottenham). Organised a 'Black Role Models in STEM' networking event at UCL in 2020.