Lawk Mineh Last update: September 18, 2023

CONTACT Information

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### EDUCATION

PhD in Mathematics Oct. 2020 – Present

 ${\it University~of~Southampton,~Southampton,~UK}$ 

 $Supervisor: \ {\bf Ashot\ Minasyan}$ 

Master of Mathematics Oct. 2015 – June 2019

University of Warwick, Coventry, UK (1st class Hons.)

Dissertation: Boundaries of relatively hyperbolic groups, supervised by Saul Schleimer

## EMPLOYMENT HISTORY

Teaching assistant, Calculus, University of Southampton	Oct. 2023 – Present
Marker, Linear algebra I/II, University of Southampton	Oct. 2020 – Present
Teaching assistant, Analysis, University of Southampton	Oct. $2021 - Dec. 2022$
Marker, Group theory, University of Southampton	Oct. 2021 – Dec. 2022
Private tutor, Ivy Education	Aug. $2019 - \text{Sep. } 2020$
Undergraduate supervisor, University of Warwick	Oct. 2018 – June 2019
Teaching assistant, Further Mathematics Support Program	Jan. 2018 – April 2019

# RESEARCH INTERESTS

Geometric, combinatorial, and topological methods in group theory. Hyperbolic groups and their generalisations. Profinite and residual properties of groups.

#### **PUBLICATIONS**

1. Structure of quasiconvex virtual joins. Preprin

Preprint (2023), arXiv:2310.00512

2. Separability in Morse local-to-global groups, with D. Spriano.

Preprint (2023), arXiv:2308.11603

3. Quasiconvexity of virtual joins and separability of products in relatively hyperbolic groups, with A. Minasyan. Accepted, Alg. Geom. Top. (2022), arXiv:2207.03362

#### ACTIVITIES

DEDIC representative, University of Southampton

Oct. 2022 – Present

EDI-based role involving regular meetings with faculty members to discuss the status of equality of diversity within the school and possible approaches to their improvement.

Postgraduate student representative, *University of Southampton* Oct. 2022 – Present Interfacing between students and faculty on any issues with the department or graduate programme, attending meetings with representatives from other schools within the faculty.

 ${\bf Organiser}, \ Southampton \ Pure \ Mathematics \ Postgraduate \ Seminar$ 

Oct. 2021 - Sep. 2022

Academic support officer, Warwick Maths Society Oct. 2018 – June 2019

Elected role involving organising and running weekly academic help sessions for undergraduates. Secretary, Warwick Drumming Society

Oct. 2018 – June 2019

Undergraduate mentor, Warwick Maths Society

Nov. 2017 - June 2018

## SELECTED TALKS

"Combining quasiconvex subgroups of relatively hyperbolic groups" Southampton Pure Mathematics Colloquium, *University of Southampton* 

"Separability and combinations of quasiconvex subgroups"

Junior Geometry Seminar, University of Cambridge

February 2023

May 2023

"Combining quasiconvex subgroups in hyperbolic groups" January 2023 Dynamics and Group Geometry Early Researchers Seminar, University of Warwick "Combining quasiconvex subgroups in hyperbolic groups" November 2022 Bristol Junior Geometry Seminar, University of Bristol "Separability of products in relatively hyperbolic groups" October 2022 Junior Topology and Group Theory Seminar, University of Oxford "Separability and quasiconvexity in relatively hyperbolic groups" September 2022 Modern advances in geometric group theory, University of Manchester Conference Co-organiser, "Early Career Symposium for Topology, Actions, and Symmetry" August 2023

ORGANISING

Grants obtained from LMS and the Heilbronn Institute, 36 participants University of Southampton

Co-organiser, "Introduction to modern advances in algebra" In progress, University of Exeter

February 2024