Lawk Mineh Last update: January 27th, 2024

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

 ${\it University~of~Warwick},~{\rm Coventry},~{\rm UK}~({\rm 1st~class~Hons.})$

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 – 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. Tiling in some nonpositively curved groups, with J. MacManus.

Preprint (2023), arXiv:2401.09545

- 2. Structure of quasiconvex virtual joins. Preprint, submitted (2023), arXiv:2310.00512
- 3. Separability in Morse local-to-global groups, with D. Spriano.

Preprint, submitted (2023), arXiv:2308.11603

4. Quasiconvexity of virtual joins and separability of products in relatively hyperbolic groups, with A. Minasyan. To appear, Algbr. 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.

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	May 2023
	"Separability and combinations of quasiconvex subgroups" Junior Geometry Seminar, <i>University of Cambridge</i>	February 2023
	"Combining quasiconvex subgroups in hyperbolic groups" Dynamics and Group Geometry Early Researchers Seminar, <i>University of</i>	January 2023 Warwick
	"Combining quasiconvex subgroups in hyperbolic groups" Bristol Junior Geometry Seminar, <i>University of Bristol</i>	November 2022
	"Separability of products in relatively hyperbolic groups" Junior Topology and Group Theory Seminar, University of Oxford	October 2022
	"Separability and quasiconvexity in relatively hyperbolic groups" Modern advances in geometric group theory, <i>University of Manchester</i>	September 2022
Conference organising	Co-organiser, "Early Career Symposium for Topology, Actions, and Symmetry" August 2023 Grants obtained from LMS and Heilbronn Institute, 36 participants University of Southampton	
	Co-organiser, "Introduction to modern advances in algebra" Grants obtained from Heilbronn Institute and MAGIC consortium University of Exeter	February 2024