## Daniel Carranza

## Curriculum Vitae

	Education
	Education
Fall 2023	Ph.D., Johns Hopkins University Mathematics
2022-2023	Program Associate, SLMath (formerly MSRI)
2021-2022	M.Sc., University of Toronto Mathematics
2017–2021	<b>B.Sc.</b> , Western University Honour's Specialization in Mathematics; minor in Computer Science.
	Research
	Papers
July 2022	The Hurewicz theorem for cubical homology, Preprint
	With C. Kapulkin and A. Tonks
	https://arxiv.org/abs/2207.12500
February 2021	Cubical setting for discrete homotopy theory, revisited, Preprint
	With C. Kapulkin
	https://arxiv.org/abs/2202.03516
February 2021	Homotopy groups of cubical sets, Preprint
	With C. Kapulkin
	https://arxiv.org/abs/2202.03511
January 2021	<b>2-adjoint equivalences in homotopy type theory</b> , <i>Logical Methods in Computer Science</i>
	With J. Chang, C. Kapulkin, and R. Sandford
	https://arxiv.org/abs/2008.12433
	https://lmcs.episciences.org/7124
	Talks
November 2022	Cubical Setting for Discrete Homotopy Theory, Berkeley Seminar, Topos Institute
	https://youtu.be/Ns1NBLMddps

October 2022 Cubical Setting for Discrete Homotopy Theory, AMS Fall Eastern Sectional Meeting, University of Massachusetts Amherst May 2022 Cubical Setting for Discrete Homotopy Theory, Ontario Combinatorics Workshop, University of Waterloo August 2020 Formal Verification of Mathematics, CUMC 2020, Western University https://youtu.be/LCW682zcEVs August 2020 Formalizing 2-Adjoint Equivalences in Homotopy Type Theory, Western Homotopy Theory Seminar, Western University https://youtu.be/BIqhGYoo\_PU Scholarships and Awards Summer 2021 NSERC Undergraduate Student Research Award, Cubical Methods in Discrete Homotopy Theory, Western University Summer 2020 NSERC Undergraduate Student Research Award, 2-Adjoint Equivalences in HoTT, Western University 2018-2021 Dean's Honor List September 2017 Western Scholarship of Excellence Teaching Experience Teaching Assistant Winter 2022 Math Learning Centre, University of Toronto Winter 2022 Engineering Calculus 2, University of Toronto Fall 2021 Engineering Linear Algebra, University of Toronto Other Activities June 2022 Higher Categories and Categorification, Part Two, Participant, MSRI February 2020 Higher Categories and Categorification, Research Visit, MSRI October 2019 Midwest Homotopy Type Theory Seminar, Conference, University of Michigan