

Daniel Carranza

Curriculum Vitae

Education

- 2021–Present **M.Sc.**, University of Toronto
Mathematics
- 2017–2021 **B.Sc.**, Western University
Honour's Specialization in Mathematics; minor in Computer Science.

Research Experience

Paper

- January 2021 **2-adjoint equivalences in homotopy type theory**, *Logical Methods in Computer Science*
With J. Chang, C. Kapulkin, and R. Sandford
<https://arxiv.org/abs/2008.12433>
<https://lmcs.episciences.org/7124>

Talks

- March 2022 **TBA**, *EPFL Topology Seminar*, École Polytechnique Fédérale de Lausanne
- 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

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

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**

Conference Attendance & Extra-curricular Activities

May 2022 **Research in Teams**, *Conference*, Western University
March 2022 **AMS Spring Southeastern Sectional Meeting**, *Conference*, University of Virginia
February 2022 **Logic and Higher Structures**, *Conference*, CIRM
February 2020 **Higher Categories and Categorification**, *Research Visit*, MSRI
October 2019 **Midwest Homotopy Type Theory Seminar**, *Conference*, University of Michigan