# Daniel Carranza

*Curriculum Vitae*

## Education

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

## Research Experience

### Paper

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

### Talks

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| March 2022 | ***TBA***, *EPFL Topology Seminar*, École Polytechnique Fédérale de Lausanne |
| August 2020 | **Formal Verification of Mathematics**, *CUMC 2020*, Western University<br>https://youtu.be/LCW682zcEVs |
| August 2020 | **Formalizing 2-Adjoint Equivalences in Homotopy Type Theory**,<br>*Western Homotopy Theory Seminar*, Western University<br>https://youtu.be/BIqhGYoo_PU |

## Teaching Experience

### Teaching Assistant

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| Winter 2022 | **Math Learning Centre**, University of Toronto |
| Winter 2022 | **MAT187: Calculus II**, University of Toronto |
| Fall 2021 | **MAT188: Linear Algebra**, University of Toronto |

## Scholarships and Awards

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|---|---|
| Summer 2021 | **NSERC Undergraduate Student Research Award**, *Cubical Methods in Discrete Homotopy Theory*, Western University |

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| Summer 2020 | **NSERC Undergraduate Student Research Award**, *2-Adjoint Equivalences in HoTT*, Western University |
| 2018-2021 | **Dean's Honor Roll** |
| September 2017 | **Western Scholarship of Excellence** |

## Conference Attendance & Extra-curricular Activities

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

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