

Daniel Carranza

Curriculum Vitae

Education

- 2017–Present **B. Sc. (Hons.)**, Western University, *GPA: 87*.
Double Major: Mathematics and Computer Science.
Expected Spring 2021.
- 2013–2017 **OSSD**, Saunders Secondary School, *GPA: 94*.
Ontario Secondary School.

Research Experience

Paper

2-adjoint equivalences in homotopy type theory.

With J. Chang, C. Kapulkin, and R. Sandford, to appear in *Logical Methods in Computer Science*.

<https://arxiv.org/abs/2008.12433>

https://github.com/gebner/hott3/tree/master/src/hott/types/2_adj

Talks

- 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 2020 **NSERC Undergraduate Student Research Award**, Western University.
- 2018–2020 **Dean's Honor List**.
- September 2017 **Western Scholarship of Excellence**.

Extra-curricular Activities

- February 2020 **Higher Categories and Categorification**, *Research Visit*, MSRI Berkeley.
- October 2019 **Midwest Homotopy Type Theory Seminar**, University of Michigan.