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, submitted.

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.
Fall 2019	**Category Theory**, *Reading Project*, Western University. Studied a selection of topics from Awodey, *Category Theory*. Supervised by C. Kapulkin.
October 2019	**Midwest Homotopy Type Theory Seminar**, University of Michigan.

Programming Languages

Lean Theorem Prover.
Proof assistant and formal verification language. 1 year of experience.

LaTeX.
Popular typesetting language. 3.5 years of experience.

C++.
Object-oriented general-purpose language. 4 years of experience.

Python.
Interpreted general-purpose language. 2 years of experience.

Java.
Object-oriented general-purpose language. 3 years of experience.