

Jack Hollis Farrell

Research in physics with an eye toward science communication

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EDUCATION

- Honours B.Sc. Physics, *University of Toronto*** (2017–2021)
 - Major in Physics, Minors in Mathematics and English.
 - GPA 3.96/4.00

Ph.D. Physics, *University of Colorado Boulder* (2021–Present)

EXPERIENCE

- Teaching Assistant, *University of Toronto*** (2020–2021)
Extra help for programming in Python for physics majors
- Research Student (NSERC USRA), *University of Toronto*** (2020)
 - Project: *Computational Electron Hydrodynamics*
 - Supervisors: Prof. Thomas Scaffidi & Prof. Nicolas Grisouard
- Physics Tutor, *Victoria College Physics Tutors*** (2019–2020)
Extra help for first and second year physics
- Research Student (NSERC USRA), *University of Toronto*** (2019)
 - Project: *Testing and Development of Instruments for a Balloon-Borne Spectrometer Mission*
 - Supervisor: Prof. Kaley A. Walker
- Videographer & Research Student, *Dalhousie University*** (2018)
 - Project: *Water Quality Research Outreach Videos*
 - Supervisors: Prof. Graham Gagnon (Associate Vice-President Research, Dalhousie University) and Prof. Amina Stoddart
 - <https://www.youtube.com/channel/UCcrrD4jos8wIMS4hqaVmUAg>
- Director, *Indefensible: The Troubling Legacy of Edward Cornwallis*** (2017)
 - Directors: Jack Farrell and Tom Fraser
 - Funded by: *The Northrop Frye Centre at Victoria College*
 - <https://filmfreeway.com/indefensibleTheTroublingLegacyofEdwardCornwallis>

HONOURS

- NSERC Canada Graduate Scholarship (CGS-M), *NSERC*** (2021)
Declined: offered at U of T, UBC, University of Waterloo / Perimeter Institute
Research grant for first-year Ph.D. students

- University of Toronto BMO National Scholarship, *University of Toronto*** (2017–2021)
Full scholarship to U of T, covering tuition and living fees for four years
- NSERC Undergraduate Summer Research Award, *NSERC*** (2020)
Research grant for undergraduates
- Luste Prize in Experimental Physics, *University of Toronto*** (2020)
Top physics major in U of T's laboratory classes
- NSERC Undergraduate Summer Research Award, *NSERC*** (2019)
Research grant for undergraduates
- University of Toronto Scholar, *University of Toronto*** (2018–2019)
The University of Toronto Scholars Program recognizes exceptional students in first, second, or third year