

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 at 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/UCcrrD4jos8wIMS4hqaVmUAq>

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