

Alex Y. Wen

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Education

- 2022- **Harvard University**
PhD Candidate, Physics
- 2017–22 **University of British Columbia**
BSc, Physics & Mathematics

Professional Experience

- 2022- **Harvard University**
Graduate Research Assistant in the group of Carlos Argüelles-Delgado
Oscillation physics, sterile neutrino searches, and tomography with atmospheric neutrinos at the Ice-Cube experiment; supernova neutrino phenomenology

Conferences and Schools

- 2024 **International Neutrino Summer School: Bologna, Italy**
Poster: *Detecting High-Energy Neutrinos from Galactic Supernovae With ATLAS*
- 2024 **International Conference on Neutrino Physics and Astrophysics: Milan, Italy**
Poster: *Detecting High-Energy Neutrinos from Galactic Supernovae With ATLAS*
- 2024 **IceCube Spring Collaboration Meeting: Münster, Germany**
Various talks
- 2023 **MAYORANA School: Modica, Italy**
Poster & talk: *Possibility of Detecting High-Energy Neutrinos from Galactic Supernovae With ATLAS*

Awards

- 2023 **Natural Sciences and Engineering Research Council of Canada PGS-D Scholarship**

Selected Publications

Orcid: <https://orcid.org/0009-0009-4869-7867>

1. Detecting High-Energy Neutrinos from Galactic Supernovae with ATLAS
Alex Y. Wen, Carlos A. Argüelles, Ali Kheirandish, Kohta Murase
<https://doi.org/10.1103/PhysRevLett.132.061001>
2. SIREN: An Open Source Neutrino Injection Toolkit
Austin Schneider, Nicholas W. Kamp, Alex Y. Wen
<https://doi.org/10.48550/arXiv.2406.01745>