

# Lambda Summer Scholarship 2024

## Research in Astrophysics and Machine Learning

### Position

We are seeking candidates for the Lambda summer scholarship at the undergraduate level in topics related to **astrophysics**, **cosmology**, and **machine learning**. The successful applicants will work at Mila and the newly-founded Ciela Institute. Prior experience with programming and/or astrophysics are a plus.

The successful candidates will be advised by Yashar Hezaveh and/or Laurence Perreault-Levasseur and a group of postdoctoral fellows and will have the opportunity to work with ML faculty, including Yoshua Bengio, Siamak Ravanbakhsh, and Pierre-Luc Bacon.

The institute is located in the vibrant city of Montreal, with a university student population of more than half a million, which is regularly voted as one of the top cities in the world for students.

### About Us

[Mila](#) is the world's largest academic research center in deep learning, rallying 1000+ researchers specializing in this field. [Ciela](#) is an interdisciplinary research institute at the intersection of astrophysics and machine learning, with members from Mila and the astrophysics community of Montreal.

Our team works on topics related to computational cosmology and the development of numerical analysis methods for large datasets from upcoming surveys (e.g., LSST and Euclid), specifically focusing on strong gravitational lensing and cosmological surveys. We are a member of the [Simons Collaboration on Learning the Universe](#) with close connections to [the Center for Computational Astrophysics](#), [Flatiron Institute](#), in New York City.

Interested candidates are encouraged to apply online at <https://ciela.science/opportunities> before **Nov. 15, 2023**.

