

# DR. ALICE LACAZE-MASMONTEIL

## PERSONAL INFORMATION

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NATIONALITIES: Canadian and French  
CURRENT ADDRESS: 3737 Wascana Pkwy, Regina, SK S4S 0A2, Canada  
WEBSITE: <https://alicelacaze-masmonteil.github.io>  
EMAIL: [alice.lacaze-masmonteil@uregina.ca](mailto:alice.lacaze-masmonteil@uregina.ca)  
PRONOUNS: She/her/hers

## ACADEMIC POSITIONS

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University of Regina, Regina, SK, Canada 2024 - 2026  
*Pacific Institute for the Mathematical Sciences (PIMS) - Centre National de la Recherche Scientifique (CNRS) Post-doctoral Fellow*  
Advisor: Karen Meagher  
Monash University, Melbourne, VIC, Australia 2023  
*Visiting Ph.D. Student*

## EDUCATION

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University of Ottawa, Ottawa, ON, Canada 2020 - 2024  
Doctorate of Philosophy in Mathematics and Statistics  
Advisor: Mateja Šajna  
Thesis title: Certain resolvable directed cycle decompositions of directed graphs  
Acadia University, Wolfville, NS, Canada 2017 - 2019  
Master's of Science  
Advisor: Nancy E. Clarke  
Thesis title: Some problems on the game of Ambush Cops and Robbers  
Acadia University, Wolfville, NS, Canada 2012 - 2017  
Bachelor of Pure and Applied Sciences with Honours

## PUBLICATIONS

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### Journal Articles Published

- [1] **A. Lacaze-Masmonteil**, Completing the solution of the directed Oberwolfach problem with cycles of equal length, *Journal of Combinatorial Designs*, **32** (2024), 5-30.

### Journal Articles Under Review

- [2] D. Horsley and **A. Lacaze-Masmonteil**, Completing the solution of the directed Oberwolfach problem with two tables, submitted on August 2024.  
[3] **A. Lacaze-Masmonteil**, Decompositions of the wreath product of certain directed graphs into directed hamiltonian cycles, submitted on October 2024.  
[4] **A. Lacaze-Masmonteil**, Hamiltonian decompositions of the wreath product of hamiltonian decomposable digraphs, submitted on December 2024.

## FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

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All monetary values are in Canadian dollars (CAD).

*University of Ottawa Department of Mathematics and Statistics PhD Thesis Award* 2025  
This prize is awarded annually to the best thesis in the department of mathematics and statistics.

<i>PIMS-CNRS Postdoctoral Fellowship</i>	2024 - 2026
Valued at \$30,000 per year for two years with a contribution from the University of Regina and Prof. K. Meagher of \$32,000 per year.	
<i>University of Ottawa Department of Mathematics and Statistics Outstanding Student Paper Prize</i>	2023
This prize is awarded annually to the best paper published by a student.	
<i>Peter Rodney Memorial Book Prize</i>	2023
Awarded to the best student talk given at the 27th Ontario Combinatorics Workshop.	
<i>University of Ottawa Department of Mathematics and Statistics André Dabrowski Scholarship Fund</i>	2023
Valued at \$1,400. Awarded to a student that demonstrated qualities of leadership.	
<i>Natural Sciences and Engineering Research Council of Canada (NSERC) Michael Smith Foreign Study Supplement</i>	2023
Valued at \$6,000. Awarded to fund visit to Monash University in Melbourne Australia.	
<i>NSERC Canada Graduate Scholarship - Doctoral</i>	2021 - 2024
Valued at \$35,000 per year for a duration of three years.	
<i>Catherine Stanley Memorial Scholarship</i>	2018
Awarded to a student that demonstrated excellence as a teaching assistant.	
<i>NSERC Canada Graduate Scholarship - Master's program</i>	2017 - 2018
Valued at \$17,500 for a duration of one year.	
<i>Acadia Undergraduate Mathematics Competition: Best Paper</i>	2016

## TEACHING

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University of Regina, Regina, SK, Canada

*Sessional Instructor*

Courses (taught in English):

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| • MATH 223: Introduction to Abstract Algebra (35 students) | Winter 2025 |
| • MATH 122: Linear Algebra 1 (51 students)                 | Fall 2024   |

University of Ottawa, Ottawa, ON, Canada

*Part-time Professor*

Courses (taught in French):

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| • MAT 1741: Introduction to Linear Algebra (170 students) | Winter 2023 |
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## PROGRAMING LANGUAGES

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Intermediate: Python, R, HTML,  $\text{\LaTeX}$ .

Beginner: GAP.