

Maxime Deschênes-Larose

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EDUCATION

University of Ottawa

October, 2023

Master of Science in Mathematics and Statistics

Ottawa, ON

- Thesis: [Embedding \$r\$ -Factorizations of Complete Uniform Hypergraphs into \$s\$ -Factorizations](#)
- I presented my graduate thesis and recent developments at the 27th annual Ontario Combinatorics Workshop. This opportunity allowed me to share my research with an international audience of mathematicians, gain valuable feedback, and stay informed about cutting-edge research in my field. It also further strengthened my presentation and networking abilities.

University of Ottawa

Bachelor of Science in Mathematics and Statistics

- Magna Cum Laude
- Excelled in classes dealing with various subjects in advanced mathematics and software, including combinatorics, discrete math, algebra, topology, statistics, probability theory, number theory, cryptography, real and complex analysis, mathematical logic, category theory, differential equations, machine learning, and programming.

WORK EXPERIENCE

University of Ottawa Department of Mathematics and Statistics

Jan. 2021 – May 2023

Teaching Assistant

Ottawa, ON

- Leading weekly directed discussion groups for numerous undergraduate math courses.
- Correcting assignments and exams, providing useful feedback.
- Supervising exams.

SKILLS

- Advanced mathematical knowledge,
- Problem-solving and critical thinking,
- Programming in Python, R, SQL, Visual Basic, C, MATLAB, HTML, and CSS.
- Algorithm design and optimization,
- Strong analytical and logical reasoning abilities,
- Excellent written and verbal communication skills,
- Collaboration and teamwork,
- Attention to detail.

LANGUAGES

- English (Fluent)
- French (Native, Fluent)
- German (Intermediate)

Thank you for considering my application. I am excited about the opportunity to contribute my mathematical background, programming skills, and problem-solving abilities to your organization. I look forward to discussing how my qualifications align with your organization's needs in more detail. References are available upon request.

Sincerely, Maxime Deschênes-Larose