Dana Berman

Personal Data

DATE OF BIRTH:	November 9th 1996
LANGUAGES:	I am fluent in English, French and Hebrew
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Education

SEP 2018 - AUG 2020	Master of Science in PURE MATHEMATICS Thesis | **McGill University**, Montréal, Canada.
SEP 2014 - APR 2018	Bachelor of Science in HONOURS MATHEMATICS Minor in COMPUTER SCIENCE **McGill University**, Montréal, Canada
SEP 2012 -MAY 2014	College Diploma in PURE AND APPLIED SCIENCES **John Abbott College**, Sainte-Anne-de-Bellevue, Canada

Funding, Awards and Certifications

AUGUST 2020	PIMS Math to Industry workshop certificate. The workshop included management training as well as courses on technical skills. The last part of the workshop involved analyzing and visualizing data for an industry partner.
FEBRUARY 2019	Fall 2018 Mathematics and Statistics Teaching Assistant Award. McGill University.
SEPTEMBER 2018	Faculty of Science, Masters Funding. McGill University.

Computer Skills

I am very familiar with the document preparation system LaTeX as well as Microsoft Word, PowerPoint and Excel. I also have experience in the following programming languages;

- Java
- C
- R
- Python

I have taken several computer science courses at McGill, including graduate level courses pertaining to algorithm design and optimization.

Research and Work Experience

JAN-APR 2020	**Teaching Assistant at MCGILL UNIVERSITY, Montréal, Canada** I was a teaching assistant for Honours Analysis 2 (Math 255) at McGill university during the winter 2020 semester. I was in charge of helping students with the course material and grading exams. This course was partially completed online and has therefore provided me with experience in online teaching. I also taught a weekly tutorial session for which I prepared notes (available here).
SEP-DEC 2019	**Teaching Assistant at MCGILL UNIVERSITY, Montréal, Canada** I was a teaching assistant for Honours Analysis 1 (Math 254) at McGill university during the fall 2019 semester. I was in charge of helping students with the course material and grading as well as a weekly tutorial session.
SEP-DEC 2018	**Teaching Assistant at MCGILL UNIVERSITY, Montréal, Canada** I was among the graduate teaching assistants for Math 242 (Analysis 1) at McGill university during the fall 2018 semester. Among other responsibilities, I was in charge of weekly tutorial sessions for which I also prepared notes.
MAY-AUG 2017	**Mathematical Research at CONCORDIA UNIVERSITY, Montréal, Canada** I undertook an undergraduate research project in analytic number theory under the supervision of Professor Chantal David. Through-out this project, I studied basic properties of the p-adic numbers, and especially the relationship between Newton polygons and the convergence of power series over the p-adic numbers.
MAY-AUG 2016	**Internship at BUZZI UNICEM, Casale Monferrato, Italy** My main function over the summer spent at Buzzi Unicem was to study the pros and cons of upgrading the company's *Treasury Management System*.
JAN 2013-MAY 2014	**Tutor at JOHN ABBOTT COLLEGE, Ste-Anne-de-Bellevue, Canada** I worked as a tutor for John Abbott college on many occasions. I was a one-on-one calculus tutor for students in need. Furthermore, I helped manage the help desk for both mathematics and physics.
SEP 2012-APR 2018	**Private Tutor in Montréal, Canada** Starting of as a general-subject tutor for high school students, I spent many years giving private lessons. In the last two years, I have mainly tutored university mathematics courses.

Interests and Activities

I have submitted a masters degree with a thesis discussing the ergodic theory of rational billiards. I expect to graduate in August 2020.

I enjoy music and martial arts.