

Eloise Chakour

Portfolio/Writing Samples: www.eloisechakour.com

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EDUCATION

B.Sc. Liberal Physics, Minor Mathematics, McGill University	2023
Diploma of Collegial Studies (Science and Engineering), Cégep Garneau	2015
International Baccalaureate Diploma (Natural Sciences)	2015

SKILLS

Tools and Languages	Intermediate Python and \LaTeX , Basic Git, HTML, CSS and Java
Communication	English & French (Bilingual Native), Spanish (Advanced)

WORK EXPERIENCE

Contract Employee Saint-Gabriel-de-Valcartier Historical Society <i>Electronic Archive Creation Project</i> Saint-Gabriel-de-Valcartier, Qc (Remote)	May 2021 — Present
<ul style="list-style-type: none">• Captioned scanned photos for entry in a searchable numerical database• Created a system for photo description and cataloging	
Contract Employee Canadian Space Mining Corporation <i>Technical Writing</i> Montreal, Qc	Aug 2022 — Oct 2022
<ul style="list-style-type: none">• Assisted in writing grant applications• Edited technical documents• Assisted with research	
Quantitative Research Assistant McGill University, Building 21 <i>Investigating Potential Quantitative Links Between Assessment Diversity and Student Success</i> Montréal, Qc	Feb 2018 — Sept 2019
<ul style="list-style-type: none">• Analyzed data and created research methods	
BLUE Scholarship Mentor McGill University, Building 21 <i>T-Pulse Tomlinson Project</i> Montréal, Qc	Sept 2018 — Dec 2018
<ul style="list-style-type: none">• Advised students about project- and internship-related issues• Facilitated collaboration between fellows and other members of the community• Shared experience and insights from my experience as a BLUE fellow	
BLUE Fellow McGill University, Building 21 <i>An Exploration of Higher Dimensional Objects</i> Montréal, Qc	May 2018 — July 2018
<ul style="list-style-type: none">• Researched and consolidated a literature review• Devised and reviewed project goals and milestones• Created and executed a research plan• Wrote up and presented a summary of my findings to members of the public (article can be found in my portfolio, linked above)	
Customer Service Representative Maheu & Maheu <i>Central Office and Store</i> Québec, Qc	Apr 2013 — Dec 2016
<ul style="list-style-type: none">• Identified insects and common household pests• Advised clients on home and professional pest management treatment options in store and over the phone• Sold products, managed inventory, filed documents and other assorted administrative duties• Obtained certification for sale of Class 4 pesticides in 2014	

AWARDS AND ACKNOWLEDGEMENTS

Honourable Mention for "Bitter Medicine", Lorian Hemingway Short Story Competition 2021,	2022
Student Poster and Student Presentation Awards, CCUWiP, Queens University	2018
Byron McBain Student Volunteer of the Year Finalist Award, Saint-Gabriel-de-Valcartier Municipality	2016
Forces Avenir Award for the co-creation of La Salle des Nouvelles online newspaper, Forces Avenir	2015
Bronze Medal, Senior Category for Ça Pousse dans le Jell-O!, Canada Wide Science Fair	2013
Second Place in the Québec City Historical Society Historical Writing Competition	2012

RESEARCH EXPERIENCE

- Random Matrix Theory and the Sachdev-Ye-Kitaev Model** 2018 — 2019
Under the Supervision of Dr. Alexander Maloney || McGill University Department of Physics
- Honours Research Thesis
- Does higher diversity in grading schemes lead to better success in students?** 2018 — 2019
Under the Supervision of Dr. Anita Parmar || McGill University Building 21 and Faculty of Science
- Paid position for initial work followed by in depth work for course credit
 - Data analysis done in python
- Constructing an algorithm aimed at detecting signatures of cosmic strings** 2017 — 2018
Under the Supervision of Dr. Robert Brandenberger || McGill University Department of Physics
- Initial work for course credit followed by continued volunteer work
 - Algorithm created in python.

LEADERSHIP AND ACTIVITIES

- Physics and Astronomy section Contributing Co-Editor, Science Borealis Blog** 2020 – Present
- Proposed and pitched posts
 - Wrote and researched posts
- Coordinator and co-founder, McGill STEM Support Committee** 2016 — 2020
- Planned and conducted meetings, created and maintained the organizational structure of an expanding committee and recruited new members
 - Organized, coordinated and emceed events, and reached out to and coordinated with speakers and collaborators
 - Created and managed a budget, applied for funding and wrote grant applications and reports
 - Built and populated a website and Facebook page
- VP Communications, McGill Students' Ballroom Dancing Club** 2017 — 2023
- Managed the Facebook Page and mailing list
- Undergraduate Representative, McGill Department of Physics Women in Physics Committee** 2017 — 2018
- Assisted with event planning and represented the undergraduate body and perspective
- Co-Founder, Journalist and Editor of the Cégep Life Section, La Salle des Nouvelles** 2014 — 2015
- Wrote and edited articles
 - Assisted in creating organizational infrastructure for the editorial flow

COMMUNICATION AND PRESENTATIONS

Science Outreach for Children

- Science Activities with the Montreal Girl Guides Mar. 2018
- Mayfair Science Day, Manor Park Public School June 2018
- Valcartier Science Day, Valcartier Elementary School and École Joli-Bois June 2016

How to Fit the Universe Into a Classroom

- Montreal Space Symposium Oct. 2017

Diversity in Physics Workshop

- Co-Facilitated at Marianopolis College on behalf the McGill Department of Physics Women in Physics Committee Oct. 2017

Applying Random Matrix Theory to the SYK Model

- Presentation and Poster at CCUWiP (Canadian Conference for Undergraduate Women in Physics), University of Ottawa Jan. 2019

Signatures of Cosmic Strings using 3D Ridgelet Statistics

- Presentation and Poster at CUPC (Canadian Undergraduate Physics Conference), University of Alberta Aug. 2018
- Poster at WIPC (Women in Physics Canada Conference), Université de Sherbrooke July 2018
- Presentation and Poster at CCUWiP, Queen's University Jan. 2018
- Presentation and Poster at CUPC, Carleton University Oct. 2017

An Exploration of Higher Dimensional Objects

- BLUE Talk Series, McGill University — Building 21 Sept. 2018