

ELIZA KISHAN

(+1) 514-605-9650
eliza.kishan@mail.mcgill.ca
Montréal, QC, Canada

EDUCATION	Faculty of Science, McGill University <i>BSc. Computer Science & Biology</i> <ul style="list-style-type: none">• Advisors: Paul Olioff, Nancy Nelson & Mioara Morisca• Specific focus on genomics & bioengineering applications.	Montréal, Canada 2024 - 2027 (<i>expected</i>)
	IB Section, King's Interhigh <i>International Baccalaureate</i> <ul style="list-style-type: none">• HL: Physics, Chemistry, Mathematics Analysis and Approaches• SL: Business Management, English Language & Literature, French ab initio	London, United Kingdom 2022 - 2024
	Center for Talented Youth, Johns Hopkins University <i>Individual courses in AP Biology and AP Computer Science A</i>	Baltimore, United States 2022 - 2023
	<ul style="list-style-type: none">• Course taken covering necessary knowledge of the AP Computer Science A curriculum, with the final AP exam not taken.• Course taken covering necessary knowledge of the AP Biology curriculum, with the final AP exam not taken.	
	St. Theresa's School <i>Indian Certificate of Secondary Education</i> <ul style="list-style-type: none">• GPA: 4.0 (97.4%), 4/150• Subjects: Mathematics, Computer Science, Physics, Chemistry, Biology, History and Civics, Geography, English (1st Language), Kannada (2nd Language)	Mangalore, India 2018 - 2022

EXPERIENCE	Przybyl Lab, RI-MUHC Montréal, Canada <i>Student Bioinformatician</i>	Apr 2025 - Present
	<ul style="list-style-type: none"> Conducted an independent project on analysis of accuracy and predictive capacity of methylation-to-copy number variation software. Assisted in data analysis across laboratory projects. Independently presented summer research at an internal research day in the form of a poster. Continuing the current project stipended under a Government of Canada grant on leiomyosarcoma/leiomyoma. 	
	McGill Biology Student Union Montréal, Canada <i>Vice President Academic</i>	May 2025 - Present
	<ul style="list-style-type: none"> Monitor and advocate for student interests in accordance with University policy. Run events related to augmentation of the academic interest of students, such as research or specialized courses. Represent student interests on the Biology Department Academic Committee. Represent, more widely, student interests of the Faculty of Science on the Faculty of Science Academic Committee. 	
	Wolfram Mathematica Urbana-Champaign, U.S. <i>Student Ambassador</i>	Nov 2022 - Dec 2023
	<ul style="list-style-type: none"> Developing independent projects in Wolfram Mathematica. Running school-based information sessions on Wolfram products. 	
	Nexus Aurora Remote <i>Volunteer Technical Contributor</i>	Nov 2020 - Oct 2022
	<ul style="list-style-type: none"> Worked on the access management section of the project, primarily developing security applications in Python. Worked in the SEMC section, working on developing logistic software in Python. Worked eventually as a community manager, sitting on the main governing council. As an early contributor, also helped in establishing key aspects of the ecosystem. 	

VOLUNTEERING	Peer Support Center of the SSMU Montréal, Canada <i>Equity & Accessibility Coordinator</i> <ul style="list-style-type: none"> • Advocate for increased equity & accessibility in the PSC and the services it offers. • Monitor and implement advances in equity as to better serve the student committee. • Sit on the SSMU EDI Roundtable. • Execute policy on de-escalation and resolve internal conflicts within the service. 	May 2025 - Present
	McMUN Montréal, Canada <i>Vice-Chair - ADB</i>	Apr 2025 - Jan 2026
	<ul style="list-style-type: none"> • Vice-chairing the Asian Development Bank in a Model UN environment for a highly prominent MUN conference in Canada and North America, ranked second on the circuit. • Writing a research guide for delegates to the ADB as part of a team of four individuals. • Involved in decision making related to the conduct of delegates, feedback, as well as award assignments. 	
	SSUNS Montréal, Canada <i>Vice-Chair - SIDS</i>	Mar 2025 - Nov 2025
	<ul style="list-style-type: none"> • Vice-chairing the Small Islands Developing States conference in a Model UN environment for a highly prominent MUN high-school conference in Canada and North America. • Writing a research guide for delegates to the SSUNS-SIDS as part of a team of four individuals. • Involved in decision making related to the conduct of delegates, feedback, as well as award assignments. • Recognized as the best pre-conference dais at SSUNS. 	
	Eating Disorder Center - SSMU Montréal, Canada <i>Support Volunteer</i>	January 2025 - May 2025
	<ul style="list-style-type: none"> • Undergoing 40+ hours of training in active listening and mental health support. • Providing 1-on-1 listening services for those with disordered eating tendencies. • Providing group support sessions for those with disordered eating tendencies. 	
	McMUN Montréal, Canada <i>Co-Chair - CSTD</i>	Nov 2024 - February 2025
	<ul style="list-style-type: none"> • Co-chairing the CSTD in a Model UN environment for a highly prominent MUN conference in Canada and North America, ranked second on the circuit. • Writing a research guide for delegates to the CSTD as part of a team of four individuals. • Involved in decision making related to the conduct of delegates, feedback, as well as award assignments. • Won the best in-conference Dais award as a part of our efforts. 	

- RESEARCH PAPERS
1. Benchmarking detection of DNA copy number variation using high-density methylation microarrays
Eliza Kishan & Joanna Przybyl, RI-MUHC
Poster: RI-MUHC Summer Student Research Day, 08.2025
Paper: In Writing.

PROJECTS	Investigating Bio-mimetic Origami Radiation Shield Design Geometries for Mitigating Transient Soft Errors Induced by Cosmic Rays in Solid-State Storage Devices <i>King's Interhigh & CERN</i>	2022.12 - 2023.04
	The Ethics of Competition in Education and Competitive Exams <i>King's Interhigh</i>	2022.12 - 2023.02
PRESENTATIONS & TALKS	Investigating Bio-mimetic Origami Radiation Shield Design Geometries for Mitigating Transient Soft Errors Induced by Cosmic Rays in Solid-State Storage Devices <i>PhysicsBeyond, YouTube</i>	04.09.2023
AWARDS AND HONORS	<ul style="list-style-type: none"> • CERN Beamline For Schools Nomination, Conseil Européen pour la Recherche Nucléaire • British Intermediate Olympiad Silver Medal, UK Biology Competitions • CCIR Future Scholar w/ Scholarship, Cambridge Center for International Research, 	2023.06 2023.01 2022.10
SKILLS	Languages: English, French, Kannada. Programming: Python, R, Java, C#, Mathematica. Certifications: Standard First Aid w/ CPR-C (Croix Rouge Canadienne-Québec)	