

Ashna Wright

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EDUCATION	M.Sc. in Mathematics University of Victoria, British Columbia. Supervisors: Dr. Natasha Morrison and Dr. Jonathan Noel	In Progress
	B.Sc. Honours in Mathematics <i>with distinction</i> University of Victoria, British Columbia.	Apr. 2022
PAPERS	Natalie Behague, Akina Kuperus, Natasha Morrison, and Ashna Wright. Improved bounds for cross-Sperner systems. arXiv:2302.02516 (submitted).	
	C. M. Mynhardt and A. K. Wright. Constructing Triangle Decomposable Multigraphs with Minimum Multi-edges <i>Honours Project</i> , arXiv:2108.07890 (submitted).	
TALKS	Cross-Sperner Systems <ul style="list-style-type: none">• <i>Canadian Discrete and Algorithmic Mathematics Conference - University of Winnipeg</i>	Jun. 2023
	Cross-Sperner Systems <ul style="list-style-type: none">• <i>Auburn University Discrete Math Seminar (Virtual)</i>	Apr. 2023
	Counting Maximal Triangle-free Graphs with Hypergraph Containers <ul style="list-style-type: none">• <i>University of Victoria Combinatorics Mini-seminar</i>	Feb. 2023
	A Turán-type Problem of $K_{2,t}$ in Random Graphs <ul style="list-style-type: none">• <i>University of Victoria Combinatorics Graduate Mathematics Seminar</i>	Nov. 2022
	Comparable Pairs in Families of Sets <ul style="list-style-type: none">• <i>University of Victoria Combinatorics Mini-seminar</i>	May 2022
	Constructing Triangle Decomposable Multigraphs with Minimum Size <ul style="list-style-type: none">• <i>University of Victoria Honours Festival (Virtual with Poster)</i>	Apr. 2021
AWARDS	President's Research Scholarship, <i>University of Victoria</i>	May 2023 – Apr. 2024
	NSERC Canada Graduate Scholarship - Master's, <i>University of Victoria</i>	May 2023 – Apr. 2024
	Kennedy Graduate Scholarship, <i>University of Victoria</i>	Sept. 2022 – Apr. 2023
	University of Victoria Graduate Award, <i>University of Victoria</i>	Sept. 2022 – Apr. 2023
	B.C. Graduate Scholarship, <i>Government of British Columbia</i>	Sept. 2022 – Aug. 2023
	NSERC Canadian Graduate Scholarship - Masters, <i>University of Waterloo</i>	(declined)
	NSERC Undergraduate Student Research Award, <i>University of Victoria</i>	May 2022 - Aug. 2022
	Faculty of Science Dean's List for Graduating Students, <i>University of Victoria</i>	Apr. 2022
	WinCom Canadian Outreach and Diversity Award, <i>Women in Combinatorics Network</i>	2021
	Honour Award, <i>McMaster University</i>	Sept. 2016 – Apr. 2017
	Ontario Scholar Award, <i>Government of Ontario</i>	2016
RESEARCH EXPERIENCE	Research Assistant, University of Victoria <ul style="list-style-type: none">• <i>Combinatorics research project under the supervision of Dr. Natasha Morrison.</i>	Oct. 2021 – Aug. 2022

RESEARCH EXPERIENCE CONT'D	Research Assistant, University of Victoria	May 2021 – Aug. 2021
	<ul style="list-style-type: none"> Continued graph theory research project, focusing on triangle decomposable multi-graphs under the supervision of Dr. Kieka Mynhardt. 	
	Honours Project, University of Victoria	Sept. 2020 – Apr. 2021
	<ul style="list-style-type: none"> Graph theory research project, focusing on triangle decomposable multigraphs under the supervision of Dr. Kieka Mynhardt. 	
TEACHING EXPERIENCE	Teaching Assistant, University of Victoria	Sept. 2021 – Present
	<ul style="list-style-type: none"> Marking: Math 101 (Calculus II), Math 422 (Combinatorial Mathematics). Tutoring in Mathematics and Statistics Assistance Centre (MSAC). Tutorial leader: Math 120 (Precalculus). 	
	Assistant Course Material Developer, University of Victoria	May 2020 – Aug. 2020
	<ul style="list-style-type: none"> Created over 100 practice problems and in-depth solutions for Math 222 (Discrete and Combinatorial Mathematics). 	
CONFERENCES AND SUMMER SCHOOLS	Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM) 2023	June 2023
	<ul style="list-style-type: none"> Chaired the mini-symposium titled "Ramsey Theory". 	
	Summer School in Graph Coloring at University of Illinois - Urbana-Champaign	May 2023
	Flag Algebras Summer School at Iowa State University	May 2023
	Prague Summer School on Discrete Mathematics	Jul. 2022
	Northeast Combinatorics Network Klatch (Virtual)	Aug. 2021
	CanaDAM 2021 (Virtual)	Jul. 2021
	Conference on Diversity in Engineering	Jan. 2018
	Engineering Students Society of Ontario Annual General Meeting	Jul. 2017
VOLUNTEER WORK	Vice President, AWM – UVic Chapter	Jan. 2023 – Present
	<ul style="list-style-type: none"> Co-organized merchandise sale to raise funds for club chapter and UVic Food Bank. 	
	Fundraising Coordinator, AWM – UVic Chapter	Feb. 2022 – Jan. 2023
	<ul style="list-style-type: none"> Co-organized monthly Q&A sessions with women mathematicians. Co-organized week-long summer camp and monthly seminar for high school girls interested in mathematics (IMAGINING UVic). 	
	Technical Operations and Outreach Coordinator, Women in Combinatorics	May 2021 – Present
	<ul style="list-style-type: none"> Updated website using Wix and JavaScript to increase accessibility and security. Set up bimonthly email campaigns, organized research talks, and formatted an interactive database for public use. 	
	Undergraduate Representative on the Committee for Selecting the New Chair of the Department of Mathematics, University of Victoria	Dec. 2020 – Jun. 2021
	<ul style="list-style-type: none"> Unanimously voted by the University of Victoria Student Society to be representative. 	
	Secretary, Association of Women in Mathematics – UVic Chapter	Jan. 2021 – Feb. 2022
<ul style="list-style-type: none"> Organized meetings, keeping detailed records, disseminated reports. Organized and ran a biweekly meeting highlighting various women in mathematics during the summer term. 		
Duty Outreach Volunteer, Our Place Society	Oct. 2020 – Jan. 2022	
<ul style="list-style-type: none"> Assist clients with phone, mail and web services, and finding clothing. Greet community members, accept donations by phone and in person. 		
Logistics Committee Member, Delta Hacks IV	Sept. 2017 – Mar. 2018	
<ul style="list-style-type: none"> Organized hackathon event for around 500 attendees. 		

Director of Diversity, Engineering Students' Societies Council of Ontario

Sept. 2017 – July 2018

- *Planned events on the topic of diversity within engineering.*
- *Awarded Certificate of Excellency at end of term.*