

ANDREW CRIX

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Summary

Analytical and driven engineering physics student with strong quantitative, critical thinking, and communication skills. Eager to apply engineering principles to contribute to solutions that address global issues.

Education

Applied Science: Engineering Physics Queen's University	Expected in 06/2026 Kingston, ON
<ul style="list-style-type: none">Relevant Coursework: Physics Design Project (Capstone); Engineering Physics Thesis; Nuclear and Particle Physics; Aerodynamics; Heat Transfer; Mobile Robotics; Economics and Business Practice; Technical EntrepreneurshipScholarships Awards: Dean's Scholar; Robert Tyre Jones Jr Scholarship; Support Our Troops National Scholarship; R. H. Clark Applied Science Centennial Scholarship; Albert H. Ruddell Award; "How to Change the World" Challenge award winner; OUA Academic All Star and Most Improved Athlete (Queen's rowing)Events: Asset Management Hackathon; QMIND; Queen's Space Conference Co-Chair; Orientation Committee Lead; The Knowledge Society participant; Exchange year abroad at the University of St. Andrew's, Scotland	
High School Diploma Lakefield College School St Andrew's College	06/2020 Lakefield Aurora, ON
<ul style="list-style-type: none">Paul and Helene Demarais Family Scholarship Loran Scholar Semi Finalist Morehead-Cain Semi Finalist	

Work

Combat Medic with 25 Field Ambulance Reserve Unit Canadian Armed Forces	04/2025 to Current Toronto, Ontario
<ul style="list-style-type: none">Medic support for the local 32 Canadian Brigade Group as well as for future domestic and international deployments.Continue to gain medical knowledge and skills; demonstrate values such as respect, integrity, excellence and teamwork.	
Undergraduate Summer Research Award (NSERC-USRA) Queen's University - Dr Jackson Crane	05/2024 to 08/2024 Kingston, Ontario
<ul style="list-style-type: none">Developed a Schlieren-based diagnostic system, with LabView and Python programs to accurately visualize detonation waves.Improved technical, research, and presentation skills.	
Program Assistant SHAD Canada	06/2023 to 08/2023 St. John's, NL
<ul style="list-style-type: none">Alongside a team of eight, delivered an exciting and rewarding experience for 64 high school students from across Canada	
Harold E. Johns Studentship Cancer Care Ontario - Sunnybrook Hospital	05/2022 to 08/2022 Toronto, Ontario
<ul style="list-style-type: none">Programmed a communication dissemination system for the Odette Cancer Center's medical physics department.Self taught skills to program a functional and secure web based software connected to the hospital database.	
Lifeguard Canadian Forces Morale and Welfare Services	07/2019 to 08/2019 Borden, ON
<ul style="list-style-type: none">Collaborated with a team to ensure the safety of all civilian and military families involved in swim programs.	

Volunteer

Global Medic Toronto, ON 2021 - current	<ul style="list-style-type: none">Current local volunteer with future goal of international deployment with the Rapid Response Team.
Epilepsy Toronto Toronto, ON 2013 - current	<ul style="list-style-type: none">Presented talks at community groups and schools, helped with events, fundraised, and lead an Accessibility team.
RCMP National Youth Advisory Committee Toronto, ON 2018 - 2019	<ul style="list-style-type: none">Elected member of student team providing input on policies, programs, and strategies run by the RCMP for youth.
<h2>Skills</h2>	
Technical	Personal Attributes
<ul style="list-style-type: none">Programming: Python, MATLAB, SQL(MS SQL & MySQL), C++, PHPEngineering Software and Tools: SolidWorks, LabVIEW, KiCad/Altium Designer, Arduino, Microsoft Office	<ul style="list-style-type: none">Professional Skills: communication, collaboration, problem solving, time management, adaptability, commitmentInterests: RCM gr. 10 piano (instructor), hiking, skiing, cycling, reading, entrepreneurship