

Kailie Field, Research Scientist

Canada, kailiefield@gmail.com

PROFILE	<p>Multidisciplinary technologist specializing in cybersecurity, cryptography, and artificial intelligence, with a focus on post-quantum cryptography and secure systems architecture. Armed with an Advanced Diploma in Computer Programming and Analysis, I integrate cybersecurity expertise, cryptographic research, and AI-driven security innovations to fortify digital infrastructures.</p> <p>A former Medical Technician in the Canadian Armed Forces, I bring precision, strategic problem-solving, and analytical rigor to the evolving challenges of cyber defense and adversarial AI. Currently pursuing CompTIA Security+ and CEH certifications, I am committed to advancing secure-by-design methodologies while advocating for skills-first hiring and innovation-driven solutions.</p>
---------	---

EMPLOYMENT HISTORY	
Apr 2022 — Present	<div>Peer Tutor, George Brown CollegeOttawa</div> <ul style="list-style-type: none">• Provided detailed guidance to peers within their General Arts and Science program and respective disciplines.• Simplified complex technical concepts through personalized tutorials and visual aids to enhance comprehension.• Helped increase peer GPAs and provided resources and approaches that students can continue to use throughout their post-secondary careers and further studies.
Jul 2015 — Present	<div>Medical Technician, Canadian Armed Forces</div> <ul style="list-style-type: none">• Delivered high-quality medical care in diverse, high-pressure environments, balancing clinical operations, emergency/field medicine, and prioritizing patient care.• Responded rapidly to medical emergencies, providing essential care to both military personnel and civilians.• Reduced wait times and ensured timely care through efficient triage and patient flow management.• Maintained accurate patient records, coordinated medical supplies, and ensured compliance with strict protocols and regulations.• Managed appointments, organized immunization schedules, and liaised with specialists to streamline clinic operations.• Developed high-level research and embarked on long term studies focused on CAF and DND statistical patterns and wellness observations within the medical environment - focusing on improving Cardiovascular integrity and Diabetic control methods and maintenance techniques.• Elected by senior medical authority to participate and contribute in developing action/treatment plans for complex-care patients• Given leadership roles and responsibilities pertaining to clinic functionality such as: governing minor surgery stores, assisting in procedures and running treatment parades for training and airforce bases• Liaised with top level military and government officials as a representative for base clinics, advocating for the needs of military members

EDUCATION	
Sep 2022 — Present	<div>Advanced Computer Programming & Analysis (3 yr.), George Brown CollegeToronto, Ontario</div>
Aug 2024 — Present	<div>Teaching English as a Second or Foreign Language, University of TorontoToronto, Ontario</div>
Jan 2016 — Nov 2016	<div>Paramedicine, Medavie HealthEd.Moncton, New Brunswick</div>
Jun 2012 — Nov 2013	<div>Paralegal Studies, Everest CollegeToronto, Ontario</div>
Jan 2014 — Jan 2014	<div>Pre-Health Certificate, Mohawk CollegeHamilton, Ontario</div>

SKILLS	Teaching	Computer Skills		
	Teamwork	Critical Thinking		
	Leadership	Problem Solving		
	Adaptability	Analytical Thinking		
	Communication	Computer Programming		
	Research Skills	Multidisciplinary Approach		
LANGUAGES	English	Native speaker	French	Working knowledge
COURSES				
Nov 2015 — May 2025	Secret Security Clearance, Department of National Defense			
	Introduction to Cybersecurity, CISCO			
	Networking Basics, CISCO			
HONOURS & AWARDS				
May 2020	Recognition of Service to The Canadian Armed Forces			New Brunswick
	Issued by Mayor Robert Powell, Town of Oromocto			
	<ul style="list-style-type: none">In recognition of my service to the Canadian Armed Forces and to the town of Oromocto, New Brunswick.			
May 2020	Royal Canadian Air Force Certificate of Appreciation			Canada
	Issued by A.D. Meinzinger CMM, MSM, CD & Lieutenant-General Commander Royal Canadian Air Force			
	<ul style="list-style-type: none">This certificate was presented in appreciation and recognition of my 4+ years of devoted service, dedication and professionalism to the Canadian Armed Forces and the Royal Canadian Air Force.			
Jan 2019	Coin of Loyalty and Efficiency			Canada
	Issued by Major Perrin J.M.			
	<ul style="list-style-type: none">Presented for my dedication to preserving the health and well-being of Canadian Armed Forces members who are posted to or training at Base Gagetown, New Brunswick.			
Feb 2018	Recognition of Loyalty & Dedication			Canada
	Issued by William R. Wallace, Major Commanding Officer & John Thomson, Master Warrant Officer, Unit Sergeant Major			
Aug 2017	JTF North Coin of Recognition, Operation Nanook			Rankin Inlet, Nunavut
	<ul style="list-style-type: none">Presented for my leadership, efficiency, strategy and ability to operate under pressure during Operation Nanook in Rankin Inlet, Arctic Canada.			