Carleton University

Associate or Full Professor and Canada Research Chair, Tier 1, Computer Science (Cybersecurity)

About the Position
Field of Specialization: Cybersecurity
Academic Unit: Computer Science
Category of Appointment: Tenured
Rank/Position Title: Associate or Full Professor and Canada Research Chair, Tier 1
Start Date: January 1, 2027
Closing Date: Consideration of complete applications will begin on July 1, 2025, and continue until the position is filled.
Date Posted: April 7, 2025

The School of Computer Science invites applications from qualified candidates for a Natural Science and Engineering Research Council (NSERC) Tier 1 Canada Research Chair (CRC) appointment in cybersecurity at the rank of Associate or Full Professor with tenure.

We welcome submissions from applicants specializing in cybersecurity, encompassing computer and internet security. Diverse perspectives to address complex problems in this field are sought. We especially encourage candidates from underrepresented groups in computer science and with demonstrated experience in mentoring such students.

To see the full position posting, please visit Carleton University's Deputy Provost's website at https://carleton.ca/deputyprovost/jobs/academics/.

Research Areas of Interest: Rapid technological changes continue to increase vulnerabilities in computing and communication networks. The School of Computer Science is particularly interested in candidates whose research explores human-centered security aspects; privacy, surveillance, and censorship; cryptographic software engineering; programming language-based software security and testing; security incident analysis and forensics; blockchain technologies; and post-quantum cryptographic algorithms. The School of Computer Science also welcomes research that occurs at the intersection of these descriptions.

Tier 1 Chairs are intended for outstanding researchers acknowledged by their peers as world leaders in their field of study. For more details, please see the Canada Research Chairs Secretariat at https://www.chairs-chaires.gc.ca/ and the Carleton Office for Research Initiatives and Services at https://carleton.ca/coris/.

Appointment is conditional on the approval of the application by the CRC Program.

Qualifications

Carleton University requires that the successful candidate must:

- hold a PhD in computer science or closely related field;
- be acknowledged by their peers as being a world leader in their domain;
- have recognized talent attracting and supervising graduate students and post-doctoral fellows in computer science;
- have established a leading internationally recognized research program in cybersecurity
- have a record of high-quality teaching and supervision appropriate to the stage of career; and
- Have the capacity to attract substantial external research funding.

Preference will be given to candidates external to Carleton University, although internal candidates can apply and be assured fair consideration in the process.

Application Instructions:

Applications must be sent electronically in one single PDF file to CRCTier1Cybersec25@scs.carleton.ca, including:

- a signed letter of application;
- up-to-date curriculum vitae;
- three publications; and
- a five-page statement (describing (1) the proposed research program including research objectives, potential contribution to knowledge, and methods; (2) the training and mentoring plan; and (3) your strengths and/or experience in advancing equity, diversity and inclusion in your teaching, service, and/or scholarly activities.
- Applicants should arrange to have three referees send supporting letters electronically.
- Please indicate in your application if you are currently legally eligible to work in Canada.
- We invite all applicants to provide an optional Career Interruption Statement outlining any career interruptions https://carleton.ca/deputyprovost/?p=1784.

To help us develop our equity programs, a confidential equity and diversity self-identification survey will be sent to all applicants.

In Canada, both the Government of Canada and the Ontario Ministry of Colleges and Universities have introduced research security policies and guidelines to protect Canada's world-class research. To ensure a positive and productive experience as a CRC, Carleton University encourages all applicants to review the federal Policy on Sensitive Technology Research and Affiliations of Concern, the federal National Security Guidelines for Research Partnerships and the provincial Research Security Guidelines for Ontario Research Funding Programs.

About the Academic Unit:
The chair will join the School of Computer Science (https://carleton.ca/scs/), a prominent unit within the Faculty of Science with 47 full-time faculty members with research strengths in algorithms, AI, data science, computer and internet security, graphics, human-computer interaction, and distributed computing. The School of Computer Science is home to prestigious award winners such as the *NSERC Arthur B. McDonald Fellowship* in Usable Security and Privacy research, and current *Canada Research Chairholders* in Machine Learning and Authentication and Computer Security. The new chair will build upon this momentum and research strengths in cybersecurity by tapping into the School's strong national and international reputation for collaboration with other institutions, partnerships with industry, and research strengths (e.g., Data Day – brings Carleton researchers and industry experts together annually on data science and analytics research; Ottawa-Carleton Institute for Computer Science – promotes collaborative training of highly qualified personnel and research in computer science among the two universities).

About Carleton University:
Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading change. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Carleton has long been known for promoting research excellence and connectedness and is involved in partnerships around the globe. Learn more about our university and the city of Ottawa.

We are strongly committed to equity, diversity, and inclusion in the nomination and appointment process. Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women and gender equity-seeking groups; racialized individuals; Indigenous Peoples; persons with disabilities; and persons of any sexual orientation and/or gender expression. Furthermore, Carleton understands that career paths vary and interruptions will not prejudice the assessment process. We invite you to review our revitalized Indigenous strategy, Kinàmàgawin at https://carleton.ca/indigenousinitiatives/cu-files/kinamagawin/ and visit our Department of Equity and Inclusive Communities at http://carleton.ca/equity for information about our commitment to leadership in the areas of equity, diversity, and inclusion.

Accessibility is a university strategic priority and applicants selected for an interview who require accommodations are invited to contact the Chair as soon as possible to ensure that appropriate arrangements may be made.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.