

2019 2020

Women in Engineering and IT

ANNUAL REPORT



INNOVATE WITH US

Table of Contents

Page 2:

Women in Engineering and IT Ambassadors

Who they are and what they do

Page 3:

Academic Achievements

A closer look at the numbers

Page 4:

Noteworthy Events

Highlighting dedicated discussion

Page 5:

National Day of Remembrance

Commemorating the Victims on the 30th Anniversary

Page 6:

Virtual Ventures

Building the foundation

Prominent Stories

Listening, learning and opportunities



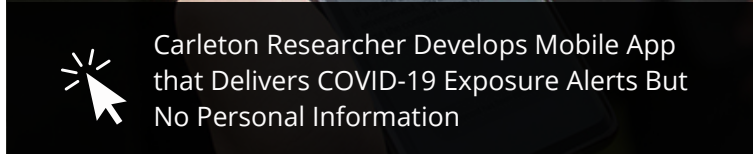
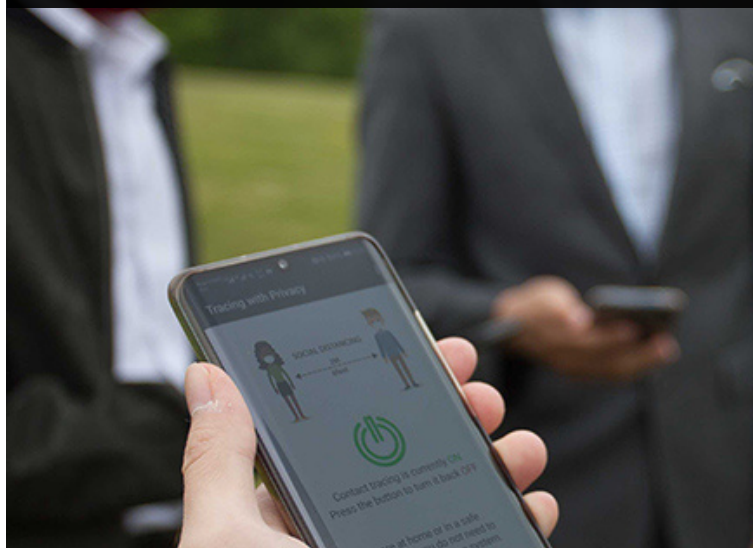
Carleton PhD Student First Canadian Female to Make Prestigious N2Women Rising Star List



Carleton Researcher Develops Mobile App that Delivers COVID-19 Exposure Alerts But No Personal Information



Fourth Year Engineering Student Johanna Whitehead Named 2019 Undergraduate Co-op Student of the Year



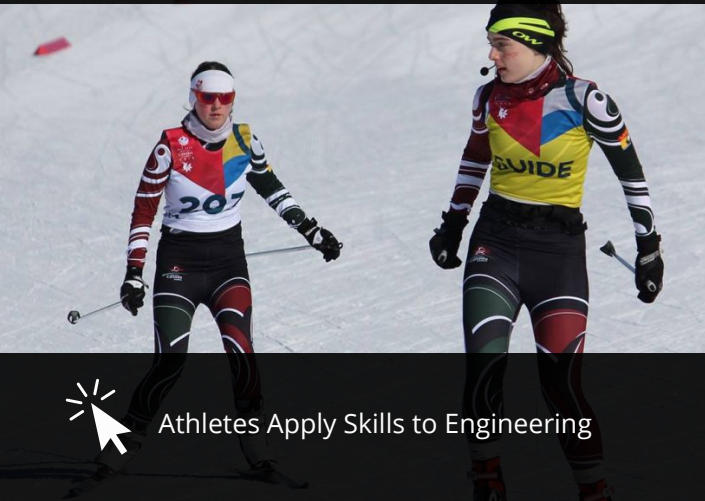
Women in Engineering and IT Ambassadors



Two Engineering Undergrads Win Provost Scholar Awards



Carleton Researchers Checking Wastewater for Signs of COVID-19



Athletes Apply Skills to Engineering

The Faculty of Engineering and Design at Carleton University is committed to initiatives which support women in engineering, IT and design at every step along their journey. Too often, female students in high school do not view STEM as a viable academic and career path. Changing perceptions and fostering interest in engineering, technology and innovation among young people in our community is a top priority for us. The professional women in engineering and IT of tomorrow are beginning their unique journeys today and will become the next generation of leaders of industry, contributing to a larger, qualified and diverse workforce. **THANK YOU to the volunteers who make our work possible and impactful.**



"If you can see her, you can be her. I encourage women from all walks of life to show up as role models, because your presence has a profound impact on young girls."

Jasmine Shaw, Release Train Engineer, GDMS-Canada (BEng '16)



"When alumni participate in STEM programs to reflect on our journeys post-graduation, we help current students overcome imposter syndrome and empower them to confidently pursue their professional goals."

Lubna Rasheed, Software Engineer, Cisco (BEng '12)

Academic Achievements

As we reflect on the 2019-2020 year, we are delighted to see all the hard work of our volunteers, faculty and staff translate into milestone accomplishments. In 2019/20, the overall high school average of all applicants to Carleton's Bachelor of Engineering was 87.5%. However, the overall high school average among female applicants was 89.3%. The Faculty was also delighted to offer 11 awards with a preference for female students this past academic year. Some other impressive stats are highlighted below.

25%

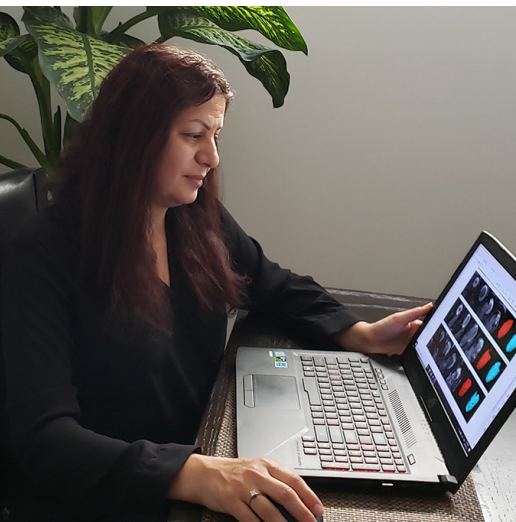
Increase in female enrollment in our engineering and IT programs in the past five years.

22%

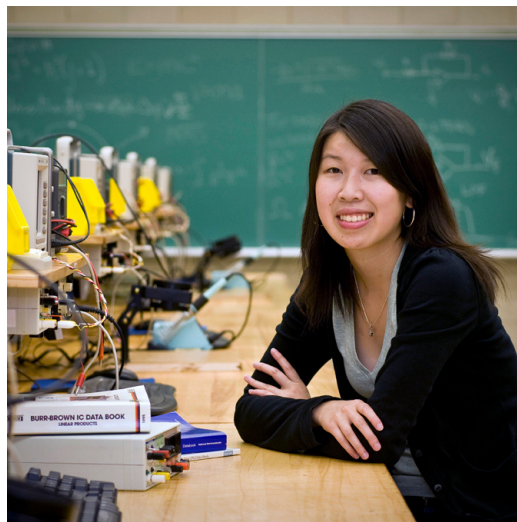
Of current undergraduate and graduate engineering and IT students are female.

10

New female faculty members have joined the Faculty of Engineering and Design in the past academic year.



PhD Graduate's Medical Imaging Research Wins Prestigious Medal



From Textbook to Tarmac
Daphne Ong Reflects on Biomedical Engineering at Carleton



Carleton Records Canada's Biggest Increase in Research Income Among Comprehensive and Medical Universities

Noteworthy Events

Over the course of the 2019-2020 academic year we hosted five events dedicated to advancing the discussion around supporting women in engineering and IT. This includes: our Breakthrough Breakfast, LEAP, Rev Up and our Male Allyship Panel. We **welcomed almost 290 attendees** to these events and ensured all panels were gender balanced.

"Whether it's through the programs that Carleton offers for youth or to prepare women before they enter the industry, I think that Carleton is providing role models for those students, especially for those women that are going into a career that is typically male-dominated." — Cynthia Cruickshank, Associate Professor, Department of Mechanical and Aerospace Engineering



Faculty of Engineering and Design
Hosts Male Allyship in STEM Panel



Carleton Kickstarts International Womxn's
Week in Ottawa with Second Annual
Breakthrough Breakfast

National Day of Remembrance

On December 6, 2019, we organized a National Day of Remembrance commemoration ceremony on campus with participation from faculties and services across the university. Carleton President Benoit-Antoine Bacon spoke to faculty, staff and students to honour lives of 14 women that were violently taken and all those who continue to experience gender violence.

WE REMEMBER



Geneviève Bergeron. Hélène Colgan. Nathalie Croteau. Barbara Daigneault. Anne-Marie Edward. Maud Haviernick. Maryse Laganière. Maryse Leclair. Anne-Marie Lemay. Sonia Pelletier. Michèle Richard. Annie St-Arneault. Annie Turcotte. Barbara Klucznik-Widajewicz.



Carleton Community Gathers to Commemorate Victims of Montreal Massacre on 30th Anniversary

Highlights



Carleton's Virtual Ventures Awarded \$80,000 through NSERC PromoScience Program



Carleton's Winnie Ye Receives Partners in Research Technology and Engineering Ambassador Award



Piecing Together the Future of Accessible Fashion

VIRTUAL VENTURES

Virtual Ventures, a non-profit organization housed at Carleton University with the goal of promoting engineering and technology to youth in Ottawa, continues to make a meaningful and measurable impact on engaging young girls.

25%

Of campers who registered from 2007-2018 (now eligible to attend university) enrolled at Carleton this past academic year.

61%

Of those students enrolled in STEM programs and 20% were female.

PROMINENT STORIES

Each and every photo featured in this report is part of a growing list of stories of women who are part of the Faculty of Engineering and Design's community, who have attained a noteworthy accomplishment in the 2019-2020 academic year. Click the hyperlink under each photo to read more about the stud.

[For additional features, visit our website.](#)



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