MASTER OF SCIENCE IN APPLIED COMPUTING

Partner with us

Computer Science
UNIVERSITY OF TORONTO

IS YOUR COMPANY INNOVATING?

As Canada's leading computer science department, our graduate degree programs capitalize on the strength of our research.

The **Master of Science in Applied Computing** (MScAC) program requires students to participate in an eight-month applied research internship upon completion of four graduate-level technical courses. In addition, MScAC students take courses in business communication and technical entrepreneurship.

U of T is one of only a handful of schools in North America and around the world with an Applied Computing program where an applied research internship is a program requirement, linking academia and industry.

NEED ADVANCED COMPUTER SCIENCE RESEARCH?

The internship project is proposed by the industry sponsor. The MScAC program reviews the nature of the project, and an academic supervisor provides the student with further support. The nature of the project could include:

- A student-driven project investigating applied research of relevance to the organization.
- A company-specific project involving applied research.
- Evaluation of a new initiative for a specific company purpose.

While the scope of an internship may involve coding or systems development that contributes to a company's product or services, intern sponsors should consider MScAC students for risk-tolerant projects that may fail or change course.

It is possible for MScAC interns to work on proprietary or company confidential projects, but a non-proprietary overview of the work must be made available to the University. The company retains all rights to intellectual property developed in connection to MScAC projects.

FINANCIAL SUPPORT FOR INTERNS

Sponsoring projects through the MScAC program, qualifies most projects for matched fund grants from organizations such as Mitacs, OCE, and NSERC. While the average compensation for an intern is around $50,000, leveraging programs such as the above offsets the company's contribution towards the student's salary.

Where possible, we encourage all of our students and industry partners to apply for funding opportunities. The MScAC student is expected to take the lead role in the application process, with assistance and supporting material provided by the industry sponsor.

Please note successful funding is not guaranteed.

HIRE SKILLED COMPUTER SCIENTISTS

Because the internship is the final requirement of the MScAC program, and students are not required to return to U of T for further study once the internship is complete, many companies seamlessly hire our students.

"The U of T MScAC program features some of the brightest computer science graduate students around. They come to the internship phase of their program well prepared to make a large contribution. So far, we have hired every MScAC student who joined us as an industry intern and have been delighted with them."

Dr. **David A. Penny**
Vice President, Risk Analytics Development
IBM

"We have been partnering with the MScAC program for several years now. The students have an excellent professional and technical skill set. Their education and experience accelerates their ability to work with our team and quickly dive deep into our product development. We were very happy with all the students we've worked with, and plan to continue our partnership with MScAC."

Melanie Yeung
Manager, Centre for Global eHealth Innovation
University Health Network

63 companies have hosted internships for more than **100** program alumni since 2010.

PROGRAM TIMELINE FOR INDUSTRY PARTNERS

Year 1: September to January
- Partner discusses potential internship opportunity with MScAC Program team
- MScAC Program team publicizes opportunity to students and shares with company student résumés

Year 1: January to April
- On campus visit/presentations
- Internship fair
- Student visits and interviews
- Selects student(s) and prepares internship offers

Year 1: April to May
- Work with the student and academic supervisor to prepare grant proposal (where applicable)
- The student sends the proposal to the relevant funding agency

Year 1-2: May to December
- On-site internship company
- Partners may be invited to attend routine meetings with the program director and/or academic supervisor
- Partner attends poster showcase of MScAC projects in late November/early December

PROGRAM TIMELINE FOR MSCAC STUDENTS

Year 1: September to December
- Develops study plan and commences coursework
- Prepares résumé and begins internship search

Year 1: January to April
- Continues coursework
- Partners and students explore internship options; students attend the MScAC internship fair/info sessions
- Internship interviews take place February - April
- Internship offers begin in late February, continuing to April
- Student finds an academic supervisor suited to their project
- Student, in consultation with the industry partner and academic supervisor, prepares and submits grant proposal(s)

Year 1: May to August
- First half of internship
- First half of technical entrepreneurship course
- Students have routine meetings with academic supervisor and industry supervisor

Year 2: September to December
- Second half of internship
- Second half of technical entrepreneurship course
- Student presents poster of MScAC project in late November/early December
- The internship is the final requirement of the program, so students will start to consider full-time employment in December

CONTACT US

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