Part Time Academic Instructor (CSCI 522)
Department of Computer Science, Faculty of Science

Position Description

The Department of Computer Science invites applications for a part-time Academic Instructor to teach **CSCI 522 (High Performance Computing)** (3 credits) during the Winter term of the 2023-2024 academic year.

This course is designed for graduate level parallel computing courses. This is not only a course which is linked to real parallel programming software, but also a course which covers many theoretical aspects on architectures, algorithms and applications. This course concentrates on parallel program to be executed not only on special multiprocessor systems or supercomputers, but also on networked workstations (Linux) or PCs using freely available parallel software tools such as Message Passing Interface (MPI) and Parallel Virtual Machine (PVM). Some emerging topics such as cluster computing, grid computing, cloud computing, peer- to-peer computing, as well as multicore systems will be introduced.

Applicants should hold a PhD in Computer Science or a closely related field and/or related practical experience in computer application technology and in data analytics. The candidates must show a strong commitment to teaching.

About the Department

The Department of Computer Science offers undergraduate programs (Bachelor of Arts and Bachelor of Science). We support many undergraduates in summer research projects, funded by programs such as NSERC USRAs. We offer a research-based MSc program, and the research activity in Computer Science at StFX has received high rankings by Macleans' magazine. The Department has also recently launched a new course-based Master's of Applied Computer Science as well as a post-Baccalaureate Diploma in Artificial Intelligence to complement other undergraduate degrees. The candidate will have the opportunity to contribute to the continued growth, direction and success of the new programs in the department.

Application Instructions

Consideration of applications will commence June 8, 2023 and will continue until the position is filled. To apply, please submit a cover letter, a curriculum vitae, a statement of teaching interests and philosophy, and the contact information for three references in one PDF file with the subject line: Instructor_CSCI522 to:

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Rhonda MacDonald, Administrative Assistant
Department of Computer Science
Faculty of Science
St. Francis Xavier University
email: **rtmacdon@stfx.ca**

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St. Francis Xavier University is located in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq People.

Our institution is committed to upholding the values of equity, diversity, inclusion and accessibility. We encourage applications from members of groups that have been historically disadvantaged and marginalized, including Indigenous persons (especially Mi'kmaq), racialized persons (especially African Nova Scotians), persons with disabilities, those who identify as women and/or 2SLGBTQIA+ and any others who would contribute to the diversity of our community. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

We are also committed to the elimination of barriers to participation for persons with disabilities. Should you require an accommodation during the recruitment process, please contact Human Resources at hr@stfx.ca or 902-867-5038.

About St. Francis Xavier University

Established in 1853, St. Francis Xavier University (StFX) is consistently recognized as one of the best universities in Canada. StFX exceeds the needs of today's undergraduates through providing the very best academic experience -- outstanding teaching, exceptional hands-on research opportunities, and global exchanges -- all within Canada's most vibrant and inspiring residential campus. Here, the focus is on the academic and the personal development of every student, making community and social engagement a large part of the learning experience. Our students are academically strong and highly engaged in every aspect of life, determined to make a positive impact on the world.

In 2022, Maclean's annual university rankings put StFX #1 in student satisfaction and #2 in reputation across Canada in the primarily undergraduate category. For more, visit www.stfx.ca

About Antigonish, Nova Scotia

The beautiful and historic town of Antigonish is located within the northeastern corner of Nova Scotia. Only a 15-minute drive from the ocean and a two-hour drive to major urban centres, Antigonish is a family-friendly community with a diverse and growing population and provides access to excellent education at all levels. The town is surrounded by rolling countryside and beautiful beaches and is a hotspot for outdoor recreation, sports and other active lifestyle activities. Antigonish supports a vibrant culture in the arts with music, performing arts, visual arts and crafts, and fabulous festivals happening throughout the year.

For more information visit www.townofantigonish.ca or www.visitantigonish.ca.