

COMPUTER SCIENCE

ABOUT THE PROGRAM

There are a variety of program choices within the **Computer Science program** at U of T Scarborough, allowing students to major in computer science or dig a little deeper and specialize in a specific area of study in their 4th year in their choice of 5 streams:

SOFTWARE ENGINEERING | COMPREHENSIVE |
INFORMATION SYSTEMS | ENTREPRENEURSHIP | MAJOR

This program presents a working knowledge of the foundations of computer science, including computer software and hardware, theoretical aspects of computer science, and relevant areas of mathematics and statistics. It also allows an appreciation of the discipline's transformative impact on science and society.

You'll find that our computer science students possess a number of skills, including:

- Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes
- Writing computer programs using different coding languages
- Identifying measures or indicators of system performance and actions needed to improve or correct performance, relative to system goals
- Conducting tests and inspections of products, services, or processes to evaluate quality and performance
- Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions
- Using logic and reasoning to identify strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- Analyzing user needs and product requirements to create designs.



SAMPLE JOB TITLES

Software Engineer in Software Publishers
Junior Associate in Consulting Firms
IT Consultant in Financial Services
Systems Designer in Engineering Consulting
Analyst in Telecommunications Providers



STUDENT PROFILE

BRIAN CHEN

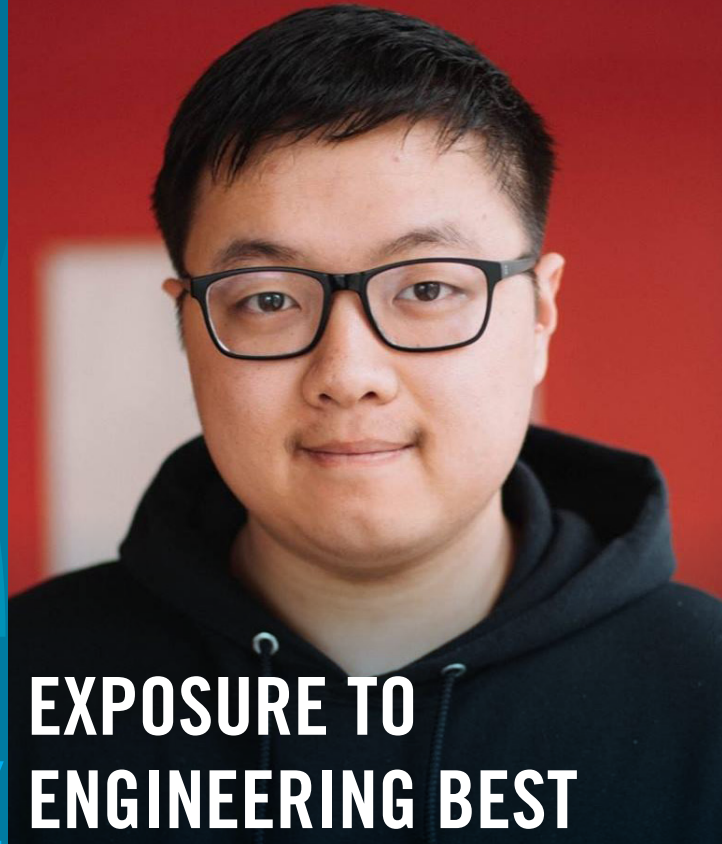
“Through the co-op program, I’ve been lucky enough to work with new technologies and have gained experiences to make me a more competitive candidate in a number of ways, including equipping me with exposure to engineering best practices and fine-tuning my professional communication skills.”

COMPUTER SCIENCE / MATHEMATICS / STATISTICS

PROFILE : BRIAN CHEN

From local start-ups to a multi-billion dollar company in **SILICON VALLEY**, Brian has developed cutting-edge automation systems and mission-critical machine learning models that analyze and identify recurring issues in system builds.

As a student in the software engineering stream, Brian and his peers have a clear understanding of requirement gathering, reliable software engineering practices, and also possess a wide variety of languages and frameworks. They are strong in problem-solving, know how to work through complex problems, and are eager to apply their knowledge in a professional capacity.



EXPOSURE TO ENGINEERING BEST PRACTICES.”

CO-OP IN ACTION

“I feel very lucky to have learned about, connected with and received tremendous support from the co-op office – everyone I have had the pleasure to work with there has provided us with a very high degree of professionalism and has helped to make the student hiring process straightforward and even fun. I particularly appreciated the innovation and leadership demonstrated by the co-op office as we partnered with U of T Scarborough to create Rouge National Urban Park’s first-ever mobile technology app - a project that was led and implemented by six students all hired and supported through the co-op program.” – OMAR M, PARKS CANADA

SPECIALIZATION:
Software Engineering

Your next big hire is from the University of Toronto Scarborough Arts & Science Co-op program.

Tap into our full-support team to hire in as few as 10 business days: uoft.me/hirestudents

INTERNSHIP