Where Can a Graduate Degree Take Me?

A PhD in Computing can take your career in many directions. In Canada, less than 40% of all PhDs will work in post-secondary education – the majority will work in industry, government, or non-profits.

• Management positions in public, private, and non-profit organizations
• Systems Software Developer
• Telecommunications/Networks Engineer
• Biomedical Engineer/Bioinformatics specialist
• Special Effects/Graphics Specialist
• Computer Systems/Database Manager
• Operations Research Specialist
• Systems Analyst/Operating Systems Programmer
• Electronic Data Processing Auditor

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

Why GRADUATE STUDIES in COMPUTING?

The School of Computing is active in research on a broad range of topics, with an strong research record. Research areas include Biomedical Computing, Cloud Computing, Databases, Data Mining, Mobile Networks, Software Engineering, Human-Machine Learning, Algorithms, Computational Linguistics, Theoretical Computer Science, Computational Geometry, Graph Theory, Artificial Intelligence, Parallel Systems, and Programming Languages. We are finding methods to make data more secure, software more reliable, and computers more intelligent.

Why QUEEN’S?

“...the cutting-edge research, world-renowned supervisors, unparalleled social experience, and a devotion to school life [...] result in nothing short of awesome.”

– Eric Rapos, PhD student

Why KINGSTON?

Described by students as both “quiet” and “electric”, Kingston is big enough to provide all the conveniences of modern life, and small enough for students, staff, and faculty to feel instantly comfortable and at home.

Queen’s is an integral part of the Kingston community, with the campus nestled in the heart of the city, only a 10-minute walk to downtown with its shopping, dining, and waterfront. For more about Kingston’s history and culture, see Queen’s University’s Discover Kingston page.

How do I USE THIS MAP?

Whether you are considering or have embarked on graduate studies at Queen’s, use this map to plan for success in five overlapping areas of your career and academic life. The map helps you explore possibilities, set goals, and track your individual accomplishments. Everyone’s journey is different – the guide offers options for finding your way at Queen’s and setting the foundation for your future. To make your own customized map, use the online My Grad Map tool.
YEAR II
- Write and defend your thesis proposal.
- Embark on your substantive research.
- Find your way through the academic process with the help of Expanding Horizons.
- Attend or present at a graduate conference such as the Queen's Graduate Computing Society Conference.
- Expand your research audience through social media such as Twitter or a blog.
- Apply for the Graduate Dean's Travel Grant for Doctoral Field Research.
- Attend conferences.
- Begin teaching as a departmental Teaching Fellow.
- Find opportunities for extra training through CTL, Expanding Horizons, Mitacs, or other sources to boost your skills. Investigate internships from Mitacs and other sources.
- Prepare for work or study in a multi-cultural environment by taking QUIC's Intercultural Competency Certificate.
- Do some targeted networking with people working in careers of interest, through Queen'sConnects or other funding.
- Consider participating in the Queen's Computing Society's 3 Minute Thesis (3MT) competition.
- Contact the Queen's Media Centre for guidance on speaking to news outlets about your work.
- List yourself on the Arts and Science University Research website.
- Meet with a career counsellor for help. Check out MyGradSkills for help with job searching.
- Consider joining professional associations like the Association for Computing Machinery (ACM) and IEEE.
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