

DRAGOS CHIRIAC

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Goal oriented and initiative-taking individual who enjoys problem solving. Have a broad scientific background that facilitates research and discovery at the intersections of multiple disciplines.

EXPERIENCE

SEPTEMBER 2017 – 2019

GRADUATE RESEARCH & TEACHING ASSISTANT, QUEENS UNIVERSITY

- Taught general chemistry tutorials and prepared a weekly presentation and quiz. Clearly explained chemistry concepts and promoted group learning.
- Supervised two undergraduate research students and conducted independent research. Developed machine learning and data visualization tools as well as novel molecular tools for bacterial natural product discovery.

EDUCATION

SEPTEMBER 2019 – 2023

MD, SCHULICH SCHOOL OF MEDICINE AND DENTISTRY

SEPTEMBER 2017 – 2019

MS CHEMISTRY, QUEENS UNIVERSITY

Thesis based degree focused on using natural language processing to detect and isolate natural product analogues from bacteria. Queen Elizabeth II Scholarship Winner (\$15,000)

SEPTEMBER 2013 – 2017

BSc LIFE SCIENCE, QUEENS UNIVERSITY

Had a focus on drug discovery and human toxicology. Completed a 4th year thesis project that examined the angiogenic conversion of natural killer cells and their role in vascularization.

SKILLS

- Machine Learning
- Bioinformatics
- Data Visualization
- Synthetic Biology
- Analytical Chemistry
- Biochemistry

ACTIVITIES

Worked on the Queen's iGEM team - a synthetic biology research team - for four years. Cofounded the Queen's Soft Robotics engineering design team, the first of its kind in Canada. Authored two publications on diverse topics; computational protein design and microfluidics.