**1. Describe your academic objectives and indicate how these are appropriate to your long-range goals. Please include specifically how a Bachelor's degree from the University of Toronto will contribute to your achieving your longer-range goals. (100 word maximum)**

To improve water accessibility, I hope to incorporate data integration with live water monitoring into a freely-accessible water safety map that can act as a guide for people to monitor and learn more about the water conditions around them. JSC470H1-Data Science III and CSC110Y1: Foundations of Computer Science, two data science courses offered by the University of Toronto, would help me develop my data analysis, visualization, and programming skills for algorithms and running time analysis. A UofT bachelor's degree would also allow me to join their Institute for Water Innovation and participate in their water characterization research, particularly when it comes to sensor development. These would then expand my understanding of technologies and methodologies used for real-time water quality monitoring.