

Raina Irons

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SUMMARY

I am a current undergraduate student at the University of Toronto at Mississauga working towards the Specialist in Astronomical Sciences, Physics Major, and a Minor in Mathematics. Along with my education, I am always looking for opportunities to broaden my knowledge in data analysis and computational techniques in Python and Matlab. I seek to involve myself in projects that push my boundaries and encourage mental growth wherever they may be. I am currently working as the Event Director for the University of Toronto's Physics Club (UTMPC), the President of the UofT Amateur Astronomer's Society (UTTAS), and a tutor at Tutorbright.

EDUCATION

University of Toronto

Mississauga, ON

Honors Bachelor of Science, Astronomical Sciences Specialist, Physics Major, Mathematics Minor Sept. 2019 - Apr. 2023

- **UofT Amateur Astronomer's Society President** (2022 - 2023): Organize club and outreach activities for UofT students.
- **UTM Physics Club Event Director** (2022 - 2023): Facilitate and organize events for the Physics Club. Outreach directed towards the public and fellow students across disciplines.
- **UTM Physics Club Event Director Associate** (2021 - 2022): Work together with other executive members of the Physics Club to promote and run events on campus or online to generate interest in the inner workings of the natural phenomenon of our world.

WORK EXPERIENCE

Tutor

April 2022 - Present

Tutorbright

Remote

- * Work with students to build the fundamentals of Mathematics and the Sciences and gain confidence in problem solving. Serving as both a teacher and mentor for young minds.

Mathematics and Physics Tutor

March 2020 - Feb. 2021

Self employed

Remote

- * Grade 8 to Grade 12 Mathematics, and Grade 9 physics. Understanding and development of skills and problem solving abilities to approaching problems.

Surveyor's Assistant

Sept. 2018 - Aug. 2019

Caltech Surveys LTD.

Swift Current, SK

- * Worked in a small team researching and surveying monuments, taking topographical shots of the land for SaskEnergy, SaskPower, SaskTel, and land owners for ground disturbance projects and documentation of property. Locating and marking buried facilities.

National Lifeguard

April 2018 – Sept. 2019

City of Swift Current

Swift Current, SK

- * Enforced policies and procedures regarding the safety and behavior of patrons and other lifeguards in both an indoor and outdoor enclosed pool environment.
- * Developed motor skills and swimming ability over the course of 4 week lesson programs. Encouraged and demonstrated proper technique and taught "Swim to Survive" skills. Contributed to the safe and progressive learning of safety around a water front.

LEADERSHIP & COMMUNITY INVOLVEMENT

AstroTours Demonstration Volunteer

June 2022 - Present

Monthly public outreach conducted by Dunlap Institute. Educate public and run demonstrations.

Perseid Meteor Shower Excursion to Earl Rowe Organizer

August 12 2022

Inter-campus event run by UTAAS and UTMPC for the Perseid Meteor Shower.