

# CWSF 2019 - Fredericton, New Brunswick



## Marina Ilyas

### Go Green, Drive Clean!

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Waterloo-Wellington

**City:** Waterloo, ON

**School:** Waterloo Collegiate Institute

**Abstract:** In my project, I developed a model to calculate, with high accuracy, the total fuel consumption of different routes for any given trip. This provides users with the most environmentally and economically friendly route of the trip, and implements an easy and straightforward method for users to reduce their fuel consumption, and sequentially, lower the emissions being released into the atmosphere!

### Biography

My name is Marina Ilyas, I'm 15, and I'm in grade 10 at WCI, Waterloo. I am very passionate about solving environmental issues, which was the inspiration for my project: Go Green, Drive Clean, where I developed a model that would provide users with the most eco-friendly route for any given trip. This is my second time attending CWSF, as I also participated in Regina, 2017. In my free time, I enjoy playing basketball, soccer, piano, viola, and violin. I was always interested in the field of mechanics, yet after a trip to my homeland, Egypt, I noticed how expensive healthcare was for those living in poverty, and I saw how much I could help by going into medicine. This sparked my passion for biology and science in general. In 2018, I participated in Technovation (an app-building competition), where I developed the app Settlegration, made to better integrate newcomers in the community. Settlegration won first place in the Toronto-Waterloo regional competition, and was one of 13 apps selected to represent Canada in the international semi-finals. I urge anyone wanting to make a difference and learn something new to participate in extracurriculars, because you never know what you may experience!

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