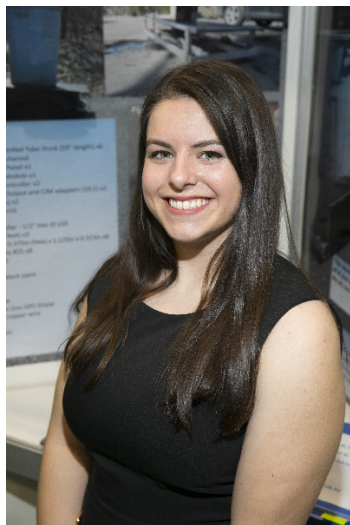


# CWSF 2017 - Regina, Saskatchewan



## Megan Gran

### Robotic Innovations Can Change Lives by Completing Common Tasks

**Challenge:** Innovation

**Category:** Senior

**Region:** Sudbury

**City:** Sudbury, ON

**School:** Lo-Ellen Park S.S.

**Abstract:** The purpose of this innovation is to give people an opportunity to make independent living easier and less stressful. This task will be completed by a lightweight 3' x 5' aluminum frame with supports. It is controlled by an Arduino board that uses a GPS to follow personalized waypoints to reach the end destination of the curb.

#### Biography

I am the captain and electrical lead of FIRST FRC Team Lo-Ellen Robotics, Team #4069. Working on the team and helping run it has opened my eyes to what I can use to create robots. Building robots with the team has inspired me to create my own robots, such as my current ISEF project. I hope to create more robots with different applications that satisfy the common goal of helping someone in need. Since I love working with robots, I plan to attend university and study Mechatronics Engineering to further my understanding of robotics. One of my favourite things to do is play with my puppy Jasper. I have been named the sole nominee for my highschool for the Schulich Leadership Scholarship for 2017. In 2015, I attended Supercamp at Stanford University in California for 10 days. If you've ever considered completing a project for ISEF, pick something that fascinates you or something you find yourself spending most of your free time on. This makes it less of a "project" and more of an adventure of discovery and creativity.

#### Awards

#### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 000</b>