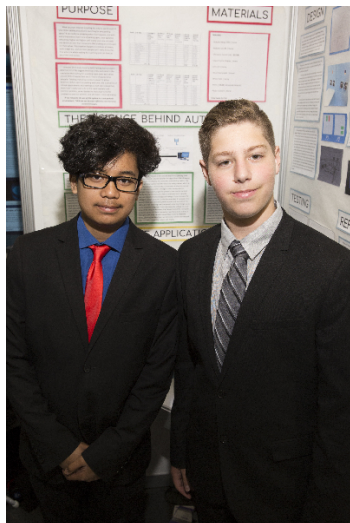


# CWSF 2019 - Fredericton, New Brunswick



## Deven Marrero, Mikko Lorico

### AutoParkade: Could this solve long parking wait times?

**Challenge:** Innovation

**Category:** Junior

**Region:** South Fraser

**City:** Surrey, BC

**School:** Surrey Academy of Innovative Learning

**Abstract:** It is a pretty well-known that parking in big cities, weekends, or just busy areas in general is a real pain sometimes, and yet there hasn't been a true solution. That is why we invented a more efficient parking system, which we named as AutoParkade. With this system, each driver is assigned their own spot in advance, greatly reducing roaming times and boosting overall efficiency.

### Biographies

Deven - My name is Deven Marrero. I live in South Surrey, BC and I am a grade eight student at SAIL Academy. I have always been interested in science and technology and in my spare time I like to build small robots, program with Arduino, and design in 3D. I believe I will find a career related to one of these areas. Another thing I do in my spare time is Track and Field. I am a provincial champion in throwing, specifically in hammer and javelin. The inspiration for the Autoparkade project came when my mom was late for a business lunch because she couldn't find parking within a few blocks and was left driving around aimlessly. Further steps that I wou...

Mikko - My name is Mikko Lorico, and I am one of the contributors to the AutoParkade science project. I am 14 years old and currently enrolled in SAIL, which is a school in Surrey, B.C., that focuses on advanced education. I plan on becoming an engineer in the future at UBC, though I'm not sure yet. Currently, in my free time, I am trying to learn more unique skills such as 3D modelling, video editing, and coding with Arduino. I'm really interested in design, so while my partner, Deven, coded the model, I tasked myself to design our poster board, write the script, and design our model. We were inspired to create our idea when Deven noticed how frustr...

### Awards

### Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 000