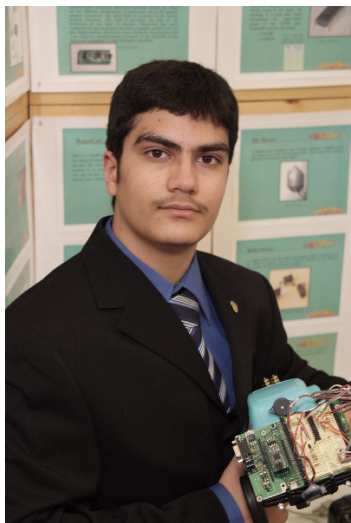# CWSF 2007 - Truro, Nova Scotia

Arash Marzi

C.A.R.- Controllable Autonomous Robot

Division: Earth & Environmental Sciences / Automotive
Category: Junior
Region: Strait
City: Antigonish, NS
School: St. Andrew Junior School

Abstract: In my project I took a defective remote control car and innovated it by using programming and simple efficient components. I gave it mobility through a microprocessor, LED lights, sound, and safety sensors. Programming with the language of nqBasic, I made the test subject autonomous and utilized embedded programming. My project focuses on remote control and autonomy, embedded systems, hand shaking and computer programming.

Biography
I am currently thirteen, in grade eight and live in Antigonish, NS. I have many accomplishments, the main one is completion of two first year University courses on C programming at StFX, with one of the highest marks in class. I completed an online Gaelic course from St. Anna's Gaelic College. I have a brown belt in Tae Kwon do (with two gold medals in sparring, one gold medal and two silver medals in forms). I've played the violin for 4 years. I am in my school's Table tennis, violin, chess, and badminton clubs. I assist with the Community Science Center, and plan on teaching a robotics workshop for this summer's camp. My interests range from computer science, neurology, math and science to history. I want to design an electric-powered car and to make a human useable AI in real time. I enjoy literature from the 1800s like Fyodor Dostoevsky's Crime and Punishment and Oscar Wilde's Dorian Gray. Also I like fantasy/fiction books like the Dragon Lance and Silverwing trilogies. I listen to rock, alternative, hip-hop, Celtic and intrumental music and play various video games. I am fluent in Farsi, English and learning Gaelic, French and C.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Honourable Mention - Automotive - Junior Sponsor: AUTO21	$100
Silver Medal - Computing & Information Technology - Junior Sponsor: Intel of Canada, Ltd.	$700
Total	$2 300

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