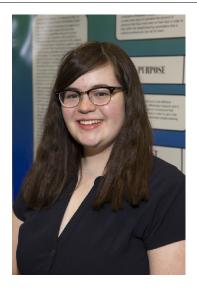




CWSF 2016 - Montreal, Quebec



Biography

I am a seventeen year old grade twelve student, and I am very privileged to be taking part in my fourth Canada Wide Science Fair. For the past six years, I have participated in my regional science fair, and have had many positive experiences. I was inspired to create my project this year so that I could learn more about computer hardware and software's implications in the healthcare industry. I wish to expand on my project in order to make my innovation even more cutomised to a patient's needs.To students thinking about doing a project, I say to pursue it. Although the process is time consuming, the things you learn and the friendships you form make it an incredibly worthwhile experience! I have a great affinity for learning, with a particular love of the sciences. I also, however, thoroughly enjoy the arts. I am an active part of my school's trivia team. Student Council. and Student Senate as well. Outside of school, I pursue other interests such as visual arts, dancing, and travel. I hope to travel to many countries and experience diverse cultures. This fall, I am excited to be undertaking a science or engineering degree at university.

Katie Brent

At A Measured Step: An Orthopaedic Pressure-Based Rehabilitative Insole

Challenge: Innovation	
Category:	Senior
Region:	Bay Area
City:	Oakville, ON
School:	Notre Dame S.S.
Abstract:	My project involved the creation of an insole that is able to help injured or post-operative individuals adhere to the graduated weight-bearing regimen that a physician prescribes. In order to do this, I used electronic components to measure applied pressure on the foot, in turn transmitting it to an Android application that I wrote. The application provides both visual and tactile feedback for the patient.

Awards	Value
Excellence Award - Senior - Silver Medal	
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$8 500



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