



CWSF 2011 - Toronto, Ontario



Sandro Young

Avatouch 2.0: "Upgrading" Real Life with a Rich Augmented Reality Experience

Challenge: Innovation
Category: Senior
Region: Ottawa
City: Ottawa, ON
School: Lisgar C.I.

Abstract: Using a headset equipped with screens and a camera, virtual content is

superimposed on top of reality. The camera captures the world as the user sees it. Virtual objects are superimposed onto the camera image, and are viewed in 3D in the headset. The user can look and move around in this computer-augmented reality, and can interact with virtual objects as if they

are real.

Biography

My name is Sandro Young, and I am in grade eleven at Lisgar Collegiate Institute. I am interested in math, science, electronics, and computing. I participated in the Science Fair last year as well, and was awarded Best Intermediate Project. I experiment with electronics and write computer programs in my free time. My team recently came first in the regional ECOO computer contest. I play piano at the Grade 9 level. I enjoy skiing (both cross country and downhill), swimming, cycling, and paddling. I am on my school's cross-country running and skiing team. I am an avid reader, and I love to travel. I have been to Italy, France, Portugal, Australia, Mexico, Hawaii, and the Caribbean, and I hope to visit many more places in the future!

Awards	Value
The Manning Innovation Achievement Award	\$500
Sponsor: Ernest C. Manning Awards Foundation	
S.M. Blair Family Foundation Award - Senior	\$1 000
Sponsor: S.M. Blair Family Foundation	
Excellence Award - Senior - Silver Medal	\$700
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)	
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Total	\$10 700



