

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 Sponsor: Ernest C. Manning Awards Foundation	\$500
S.M. Blair Family Foundation Award - Senior Sponsor: S.M. Blair Family Foundation	\$1 000
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Total	\$10 700