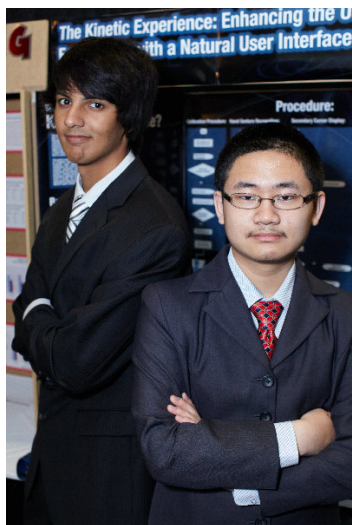


# CWSF 2012 - Charlottetown, Prince Edward Island



## Ramaneek Gill, Edward Wang

### Enhancing the User-Immersive Experience with a Natural User Interface

**Challenge:** Innovation

**Category:** Senior

**Region:** Peel

**City:** Mississauga, ON

**School:** Port Credit S.S.

**Abstract:** The Kinectic Experience? Enhancing the User-Immersive Experience with a Natural User Interface allows users to communicate with a host controller (such as a computer) using only natural body movements. When the user wears a head mounted display he/she will be able to view different portions of the desktop based on their head orientation and be able to use their hands to control the cursor independently.

#### Biographies

Ramaneek - Hi, my name is Ramaneek Gill, I currently attend the Port Credit Secondary school in my Sci-Tech program. I play ice hockey and soccer regularly in leagues and often on school teams. In the future I hope to become a computer engineer or a computer scientist. I've attended the Canada Wide Science Fair in 2010 and 2011.

Edward - My name is Edward Wang and I currently attend the SciTech program at Port Credit S.S. I am a self-motivated, self-directed and independent problem solver. In the future, I hope to become a computer scientist. Some of my hobbies include reading, playing clarinet (being in the Peel Honour band for three years now), and cycling. My technological and computer-related awards including being one of the Grand Prize Winners of the Google Code-In 2012 competition, winning the Gold medal for Virtual Robotics at the Peel Technological Skills Challenges. Previous to these, I have won the Virtual Science fair by being one of the top projects non-stop from...

#### Awards

#### Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	\$700
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$9 200</b>