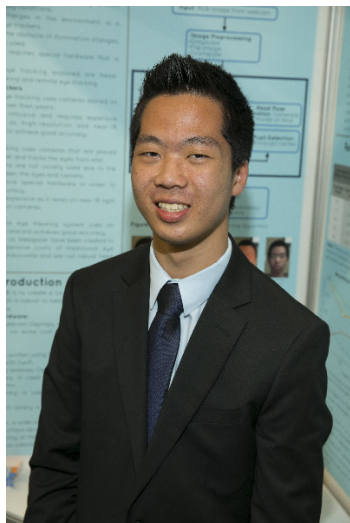


CWSF 2017 - Regina, Saskatchewan



Kevin Bai

A Novel Eye Tracking System Robust to Head Movements

Challenge: Innovation

Category: Intermediate

Region: Northwestern Ontario

City: Thunder Bay, ON

School: St. Ignatius S.S.

Abstract: The goal of this project is to create a cost-effective novel eye tracking system that is robust to head movements and achieves good accuracy. By creating a system that does not rely on extra hardware, eye tracking could be easily implemented into countless applications in our everyday life. In addition, it is a cheaper and more reliable alternative to current eye tracking systems.

Biography

My name is Kevin Bai and I'm currently in grade 10 at St. Ignatius High School, Thunder Bay ON. In school, my favourite subjects are math and science and I enjoy participating in math contests as well. In addition, I am playing piano for my school play: We Will Rock You. I also love playing sports and have been playing competitive soccer since an early age. Currently, I am playing for my school's varsity soccer team and I also played JV basketball and JV volleyball. This year, I decided to do a topic involving computer science for my science fair project because of my passion for programming. My advice to other students doing a science fair project is to find something you are passionate about and you will be amazed at how far you can go!

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000