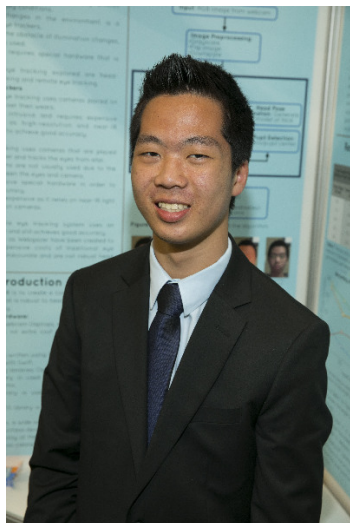


# CWSF 2017 - Regina, Saskatchewan



## 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