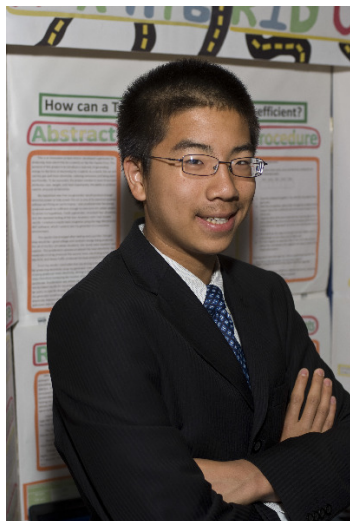


CWSF 2010 - Peterborough, Ontario



Vito Zou

More Electricity for a Hybrid Car

Division: Biotechnology

Category: Junior

Region: South Fraser

City: Delta, BC

School: South Delta Secondary

Abstract: This project focused on the development of a generator that could be incorporated into the rear axle of a hybrid car. The generator had to succeed in three main points of criteria: lightweight, low-cost, and the ability to produce realistic amounts of electricity. A series of tests representing four different real-world driving conditions were applied and results were gathered.

Biography

My name is Vito Zou and I'm a Grade 8 student currently attending South Delta Secondary School in sunny Tsawwassen, BC. I was born in Singapore but have resided in Canada since I was six. This will be my second Canada-Wide Science fair, after having a blast at last year's fair in Winnipeg. At school, I am a Principal's List student also playing the saxophone in the band program. Outside of school, almost all of my time is spent devoted to swimming. I swim competitively with the Winskill Dolphins Swim Club, one of the top swim clubs in Canada. Recently I was selected onto the Canadian National Team and will be representing Canada this summer in California at the North American Challenge Cup. I also enjoy playing the violin, having just completed my RCM Grade 8 a few months ago and currently working towards my RCM Grade 10. I love travelling and have travelled to places all across the Pacific Rim, from Australia to China to all over North America. In the very little free time I have, I enjoy surfing the web and hanging out with friends. After high school, I plan to attend university and become a paediatrician.

Awards

Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Automotive - Junior Sponsor: AUTO21	\$300
Total	\$1 300