

# CWSF 2008 - Ottawa, Ontario



## Anthony Brohan

### Improving predictive text

**Division:** Earth & Environmental Sciences / None

**Category:** Senior

**Region:** Montreal

**City:** Montreal, QC

**School:** Lower Canada College

**Abstract:** Predictive text, a method for text input, on cell phones suffers from two major problems; ambiguity in word choice, and lack, of a spell checker. This project aims to improve predictive text by employing the Hidden Markov Model of language to add context-specific disambiguation and a rudimentary spell-checker.

### Biography

From a very young age, Anthony has always been driven to discover and invent: he first told his mother something she didn't know already at three years old. This drive to explore has led him into the sciences. For the past three years, Anthony has led his school's team in the CRC Robotics Competition. This year, the team placed third overall out of 28 high schools and colleges in the Montreal area Anthony has just been to the Weizmann institute in Israel to participate in the Shalheveth Freier physics tournament, where his team competed to open 'safes' using the principles of physics. Out of 42 international teams, our team was one of the few teams whose safe did not get cracked. Anthony is currently studying at St. George's School of Montreal, and is going to attend the Pre-University programme at Lower Canada College next year. He dreams of studying electrical engineering and computer science at MIT.

### Awards

### Value

The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Bronze Medal - Computing & Information Technology - Senior Sponsor: Intel of Canada, Ltd.	\$300
<b>Total</b>	<b>\$6 800</b>