CWSF 2015 - Fredericton, New Brunswick

George Utsin

ThermIS: Automation of Viral System Detection

Challenge: Innovation
Category: Senior
Region: Waterloo-Wellington
City: Waterloo, ON
School: Waterloo Collegiate Institute

Abstract: ThermIS is an automated system to detect symptoms of viral infections. ThermIS passively and non-intrusively detects whether or not an individual is a possible carrier during an influenza outbreak, given that fever is a common symptom of many viruses and infections. This system can be useful in optimizing airport security, with potential applications in medicine as well.

Biography

My name is George Utsin and I'm a grade 12 student at Waterloo Collegiate. I am looking forward to my post-secondary education at the University of Waterloo for Software Engineering. The inspiration for this project came from my interest in computer vision and my passion for creating.

Awards	Value
Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	
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 New Brunswick Canada-Wide Science Fair Scholarship Silver Medallist - $2500 Entrance Scholarship Sponsor: University of New Brunswick	$2 500
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
Total	$11 000