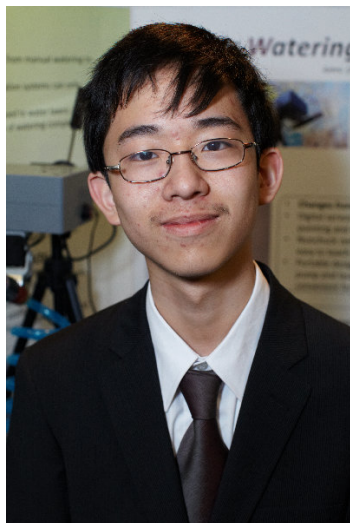


CWSF 2012 - Charlottetown, Prince Edward Island



Robotic Watering System

Challenge: Innovation

Category: Senior

Region:

City: ,

School:

Abstract: A programmable robotic watering system designed to improve on and replace current irrigation systems through its ability to recognize and water any geometric or non-geometric user-defined shapes. The technologies used include ARM7 microchip technology, digital servos, and the programming language C.

| Awards | Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada | \$700 |
| 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 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 | \$9 200 |