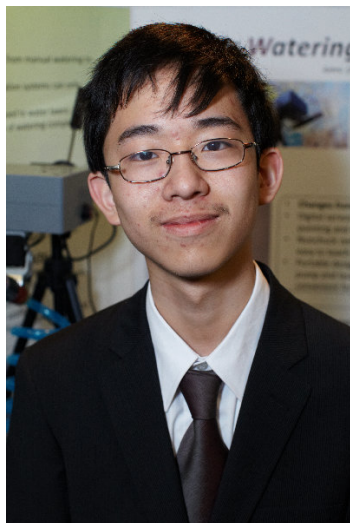


# CWSF 2012 - Charlottetown, Prince Edward Island



## 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<br>Sponsor: Youth Science Canada  | \$700          |
| Dalhousie University Faculty of Science Entrance Scholarship<br>Senior Silver Medallist - \$2500 Entrance Scholarship<br>Sponsor: Dalhousie University, Faculty of Science | \$2 500        |
| UBC Science (Vancouver) Entrance Award<br>Senior Silver Medallist - \$2000 Entrance Scholarship<br>Sponsor: The University of British Columbia (Vancouver)                 | \$2 000        |
| University of Ottawa Entrance Scholarship<br>Senior Silver Medallist - \$2000 Entrance Scholarship<br>Sponsor: University of Ottawa  | \$2 000        |
| Western University Scholarship<br>Silver Medallist - \$2000 Entrance Scholarship<br>Sponsor: Western University  | \$2 000        |
| <b>Total</b>   | <b>\$9 200</b> |