

# CWSF 2018 - Ottawa, Ontario



## Ozan Ürkmez

### Delve Into Dimensions

**Challenge:** Information

**Category:** Senior

**Region:** Strait

**City:** Antigonish Harbour, NS

**School:** Dr. John Hugh Gillis Regional School

**Abstract:** A Program that can be used to simulate already existing geometrical objects or design and create geometrical objects up to the Fourth Dimension. It can be used to interact with them, modify them and learn more about geometry as well as spatial dimensions, how they are connected and how they can be represented within one another. Especially useful for design and educational purposes.

### Biography

My name is Ozan, I am from Turkey, and I came to Canada on an exchange program to broaden my worldview. I am interested in creating things, whether through literature, the sciences or software. I want to study Computer Science, and perhaps Psychology and Economics as well in the future. I got the inspiration for my project from a talk by Neil deGrasse Tyson in which he elegantly explains the 4th Dimension by building upon simple principals and trends seen in geometry, eventually defining the properties of a tesseract. In the future, I would like to learn more about how I can build software with different tools and technologies, such as AI, to come up with more "creations" or solutions to problems. For others working on or thinking about doing projects especially in software, my biggest advice would be to simply start now, even if you start small.

### Awards

### Value

International Summer School for Young Physicists Award - Senior Sponsor: Perimeter Institute for Theoretical Physics	\$3 500
Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
Carleton University Entrance Award Senior Bronze Medallist - \$1,000 Entrance Award Sponsor: Carleton University	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$6 500</b>