CWSF 2019 - Fredericton, New Brunswick

Lénárd Grossmann

Intelligent Architecture ? Can AI predict architecture that makes us happy?

Challenge: Innovation
Category: Senior
Region: Edmonton
City: Edmonton, AB
School: Argyll Home School Centre

Abstract: Applying current methods of Data Science, an Artificial Neural Network(ANN) is built, trained and tested on data from my own online survey, to define a framework investigating the happiness of residential building occupants. This helps to find out how architectural features truly affect our wellbeing, suggesting a procedure that integrates into the architectural design process, to predict a "happy-client" outcome.

Biography
I am 15 years old, of German-Hungarian descent, and moved to Edmonton, Alberta in 2011. I enjoy playing chess, piano and classical guitar, doing ikebana, drawing, modeling, and programming. I speak five languages and am interested in architecture, the arts, and the sciences, of course. Recently I got to participate in the novelty 2019 Architecture Workshop, at the DIALOG Edmonton Office. At my first regional science fair in 2014, I won the RASC Astronomy Award for a study on Supernova Remnants, and have been actively participating at the science fairs ever since. I am ecstatic to have been part of Team Edmonton for the 2015 CWSF in Fredericton and also 2017 in Regina.

Awards	Value
Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
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
Total	$2 000