

CWSF 2016 - Montreal, Quebec



Isaac McAuley

A "Net" Profit

Challenge: Innovation

Category: Senior

Region: Saskatchewan Chinook

City: Herbert, SK

School: Herbert School

Abstract: This project is about predicting the price of the Intel stock, with a neural network. The network uses various inputs to predict the next day's prices. All data in this project was collected via web scrapers that ran everyday. All of the project was coded in Python. Now the network is able to predict stock with a mean error of 0.8% error.

Biography

I am Isaac McAuley and this is my second year at CWSF. Since I was 4 I have lived in the small town of Herbert, Saskatchewan. Since I was a young child I have loved science, math, and especially computers science. I started this project last summer when I saw a genetic algorithm playing the original Mario. After that I became very involved in learning about machine learning and artificial intelligence. In September I am going to Calgary to study computer science and hopefully I will be able to continue studying this topic.

Awards

Value

Statistical Society of Canada Award - Senior Sponsor: Statistical Society of Canada	\$1 000
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	\$3 000