

## ESPC 2016 - Montreal (Québec)



### Isaac McAuley

#### A "Net" Profit

**Défi:** Innovation

**Catégorie:** Sénior

**Région:** Saskatchewan Chinook

**Ville:** Herbert, SK

**École:** Herbert School

**Sommaire:** 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.

#### Biographie

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.

Prix	Valeur
Prix de la Société statistique du Canada - Sénior Commanditaire: Société statistique du Canada	1 000,00 \$
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
<b>Total</b>	<b>3 000,00 \$</b>