

## CWSF 2019 - Fredericton, New Brunswick



### Alex Pavlik

#### War Games: A Statistical Analysis of the Card Game 'War'

**Challenge:** Discovery

**Category:** Senior

**Region:** Simcoe County

**City:** Barrie, ON

**School:** Barrie North Collegiate Institute

**Abstract:** This project studies the children's card game called "War". Using a self-written computer program this study analyzes the probabilities around how long games last. This research discovers previously unidentified patterns. The method used in this research is a perfect demonstration of the processes used by professional researchers.

#### Biography

I am a grade 11 student who has a very strong passion for science, engineering, and design. This is my second year attending the CWSF. The thing I have always loved the most about science fair is the chance delve deep into why the world is the way it is. Outside of the CWSF I enjoy competing in architectural design competitions like Skills Canada. I also love playing volleyball and ultimate frisbee in the summer, and going skiing and skating during the winter. I love to travel and learn about the rest of the world outside of Canada. I one day hope to become a mechatronics engineer and work for a company who's goal is to improve the lives of others and the world. My project was inspired by a friendly coding competition that sparked my curiosity. For anyone who is looking for inspiration they need only look at the world around them and ask the question "Why?".

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