

## Computational Game Theory

- History
- Definitions
- Game Theory
- What Games We Mean
- Win, Lose, Tie, Draw
- Weakly / Strongly Solving
- Gamesman
- Dan's Undergraduate R\&D Group
- Demo!!

- Future




## What "Board Games" do you mean?

- No chance, such as dice or shuffled cards
- Both players have complete information
- No hidden information, as in Stratego or Magic
- Two players (Left \& Right) usually alternate moves - Repeat \& skip moves ok - Simultaneous moves not ok

The game can end in a pattern, capture, by the absence of moves, or ...




