

Mason Competitive Cyber

Video Game Reverse Engineering



News since last meeting



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Recent Competitions



- How we placed in recent competition
- Something we learned from it
 - Description
 - Could make separate slides going into detail about specific problem from competition

Upcoming Competitions & Events



- Competition
 - Time
 - Online/In-person
 - Format
- Event
 - Time
 - Format

NES ROM



- Emulate a NES to play games on laptop
- romsmania.com/roms/nintendo
- FCEUX
 - NES emulator
 - debugger

- What is it?
 - Description
- How does it relate to real world work?
 - Description

Cheat Engine



- Tool to cheat in online games (like Counter Strike)
 - If you're any good, people will say you're hacking regardless of if you are
- Many features
 - Edit variables
 - Code injection
 - Function tracing

Variables



- Values that change in a video game
 - Health
 - Ammo

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It can be done™