

A background image of a stone wall. The wall is composed of various sized and colored stones, including light beige, tan, and reddish-brown. The stones are arranged in a somewhat regular pattern, with some larger rectangular stones and some smaller, more irregular ones. The text "I, GameBot" is centered on the wall in a bold, black, sans-serif font.

**I, GameBot**



# **The Vision**

**Within a few months, we launch a  
new project into the world:**

**[aichallenge.rosedu.org](http://aichallenge.rosedu.org)**

# **It Will Be Modular**

- **Web interface**
- **Gameplay scheduler**
- **Leaderboards**
- **Game engines**
- **Competing game bots**

**It Will Be  
In Ruby  
(mostly)  
but ...**

**Flexible choice of programming  
language for game engines.**

**Want to explore one of the exotic  
programming languages (Go, Lisp,  
D, Rust, Erlang, Haskell, Clojure,  
Scala)?**

**Write a game engine in it!**

# **Game Engine Examples**

- **TicTacToe**
- **Planet Wars**
- **Five-in-a-row**

# **Game Engines**

- **Enforce correctness of gameplay**
- **Exchange JSON data with bots**
- **Use named pipes to do so**
- **Store the results of a gameplay**

**Here's  
Your  
Chance  
To**

**Explore that exotic language  
you've always been curious about**

**Become familiar with TDD**

**Learn some Ruby**

**Make ROSEdu history**

A background image of a stone wall with various shades of grey, white, and brown stones. The text "Happy hacking @ CDL" is overlaid in the center in a bold, black, sans-serif font.

**Happy hacking @ CDL**