

# **CSC301 Proposal: Team 6**

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# Problem Space

- What is an easy way for beginners to learn a programming language?
- How to help beginners practice coding?

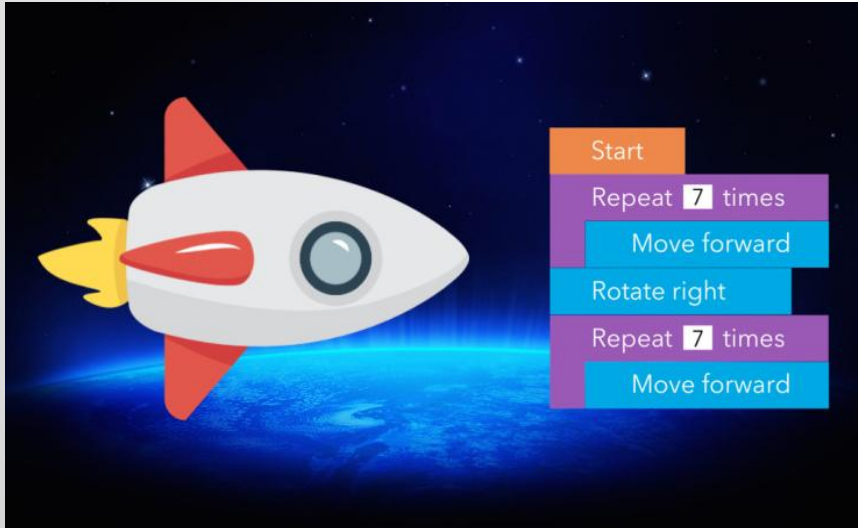


# Solution

- We want to create an educational tool that is
  - FUN!!!!!!
  - Interactive
  - Solving real problems using real code

# THE STACK

- The Stack is an educational tool that turns codes into a stacking-code game



# Goals of Our Product

- Instruct beginners on the basics coding logic
- Less intimidating than starting to code from scratch
- Allow users to have a fun and interactive way to learn coding
- Shows users the correct coding etiquette

# How Does The Game Work?

- Player is presented with a problem (CS related) + code solution
- Each line of the code will be mixed up together
- Reassemble the correct execution of the code by stacking lines of code
- Once the piece of code is correctly put back together, the user will pass
- Web-based HTML & Canvas

for i in range(0,3):							
					x = 3		
				if x == 0:			

```

x = 1
for i in range(0,5):
    if x == 0:
        x = 4
        if x == 3:
            for i in range(0,5):

```

# Similar Products/Websites

- Coding Bat - <http://www.codingbat.com>
- HackerRank - <http://www.hackerrank.com>
- Scratch - <http://scratch.mit.edu/>

The logo for HackerRank, featuring the word "HACKER" in green with a green arrow pointing up through the 'H' and a green arrow pointing down from the 'R'. The word "RANK" is also in green.The logo for CodingBat, featuring the word "CodingBat" in purple and the words "code practice" in a smaller, black font to its right.



Thank You!