Speech Games

Featuring: Team Socks
Team Socks!

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Agenda

Blockly
VUIs and CS Education
Speech Games
Results
What’s next?
What is Blockly?

var Count;

Count = 1;
while (Count <= 3) {
    window.alert('Hello World!');
    Count = Count + 1;
}
Speech Games
Speech
Games

Goal:
Develop VUI and teaching platform for Blockly.
Why?

Speech is the future!

~5% of people are motorically impaired.

CS Education is booming; can we improve it?
Related Work

Harmonia (MSR)  
UA-Huntsville Study  
Vocola
How do you speak a program?

Completeness

Structure  Flexibility
Design Choices and Results

- Rigid Grammar
- Match Blockly Semantics
- Offer Suggestions
Questions?

...anyone?