Speech Games

Team Socks!

David Liang

Evan Hernandez

Sahib Pandori

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Agenda

Blockly

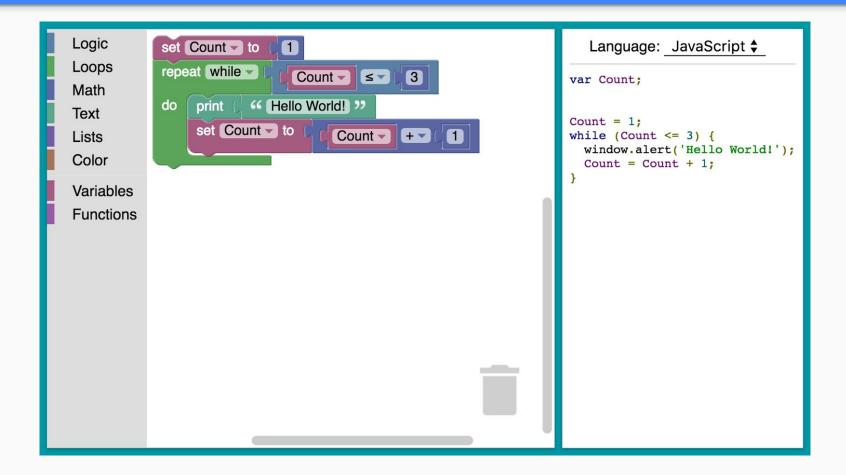
VUIs and CS Education

Speech Games

Results

What's next?

What is Blockly?



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?

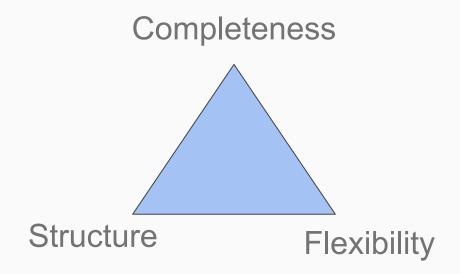
Related Work

Harmonia (MSR)

UA-Huntsville Study

Vocola

How do you speak a program?



Design Choices and Results



Rigid Grammar

Match Blockly Semantics

Offer Suggestions

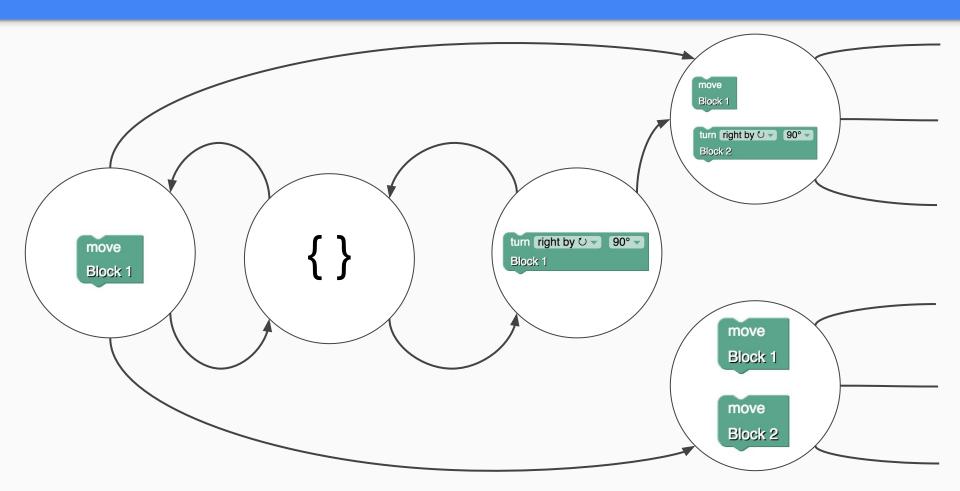
Speech Games Tomorrow

User Studies

Teaching Platform

General VUIs

Bigger Picture



Questions?

...anyone?