Overview

• Prior Work
• System Architecture
• Examples
• Demo
• Future Work
• Acknowledgments
Natural Language Interfaces

- SHRDLU
- Siri
- Google Now
Robot1, move North then return!
MORSE simulator
Examples

- Imperatives
- Serial Processes
- Conditionals
- Referent Resolution
- Prepositions
- Yes/No questions
- Wh- questions
wifi156:compling.semspec.example hudaKhayrallah$ python3.4 src/main/specializer.py "-s morse"
Future Work

• Improved motion
• Transitive verbs
• Variables
• Defining action
Acknowledgments

This work is supported by the National Science Foundation Research Experiences for Undergraduates (REU) Site Program award number 1359499 and the Office of Naval Research grant number N000141110416.

Thank you to Tiffany for organizing the REU program, to Luca and Prof. Feldman for being fantastic mentors, and to my collaborator Sean.