Automating Behavioral Script Detection and Creation

REU Student: Douglas Brian Shaffer - Metropolitan State University
Advisers: Lauren M. Stuart, Drs. Julia M. Taylor & Victor Raskin – Purdue University

Problem Statement and Significance

- Scripts take significant labor to create
- Scripts allow computers to understand human language more successfully
- Automating script creation streamlines enhancement of Ontological Semantics Technology (OST)

What is a script?

- Partial reference
- Series of interconnected events
- Infers standard information that can be left unspoken
- Flags obvious information as non-standard when it is spoken

What’s next?

- Test against new material by hand
- Utilize multiple testers to avoid bias
- Refine algorithm and write program
- Implement and test with OST

Legend

- Script Resource
- Ontology Resource
- Lexicon Resource

POST
createScript
1
scriptFinder
2
improveScript
3

For each sentence Sen_1 in doc:
createScript
1

Listen to Wikipedia for anonymous edits from Congressional IP addresses
Find edits
tweet edits
Alert the world