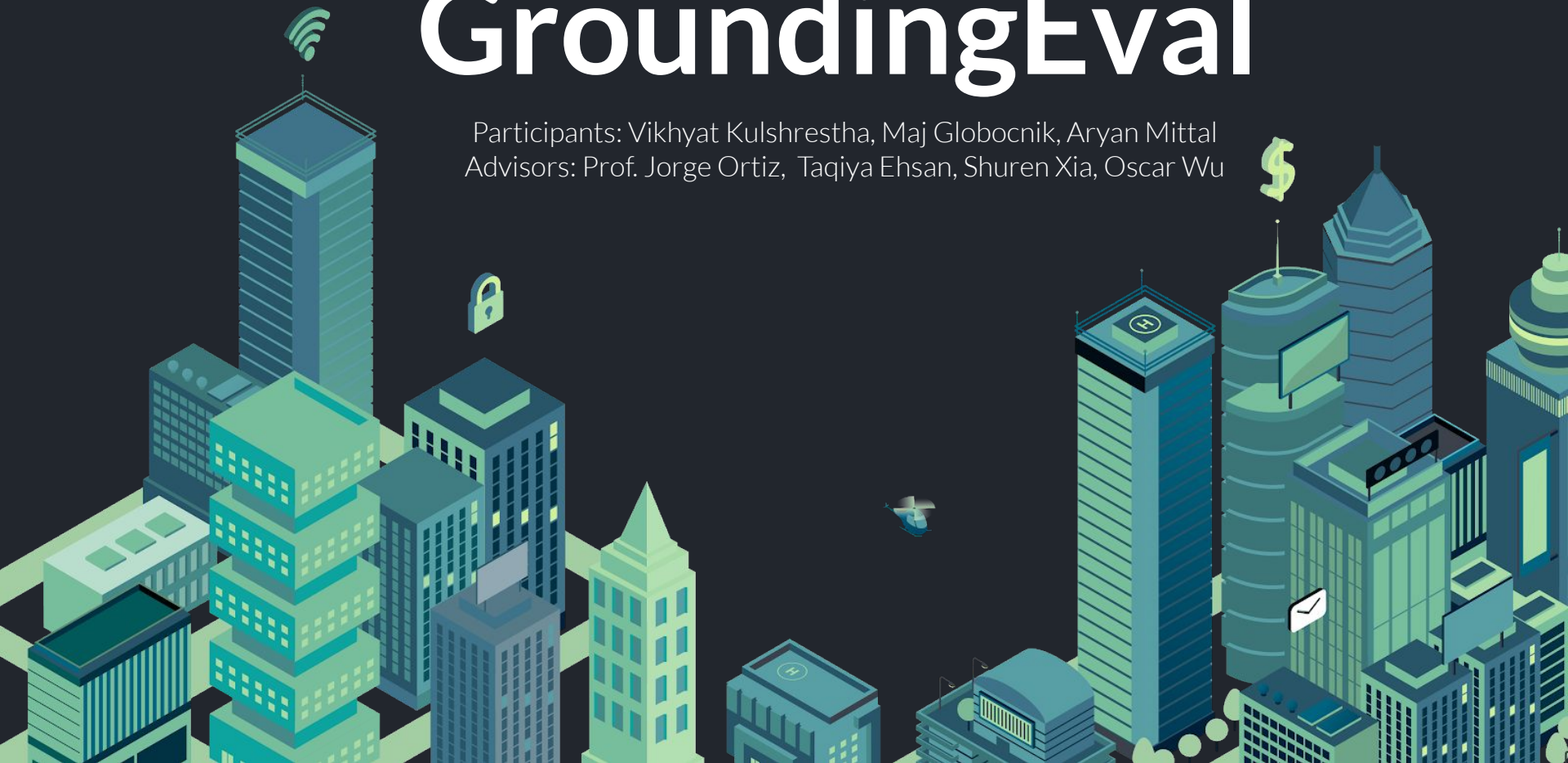


GroundingEval

Participants: Vikhyat Kulshrestha, Maj Globocnik, Aryan Mittal
Advisors: Prof. Jorge Ortiz, Taqiya Ehsan, Shuren Xia, Oscar Wu



Meet the team



Aryan Mittal

- John P. Stevens High School
- Rising HS Junior



Vikhyat Kulshrestha

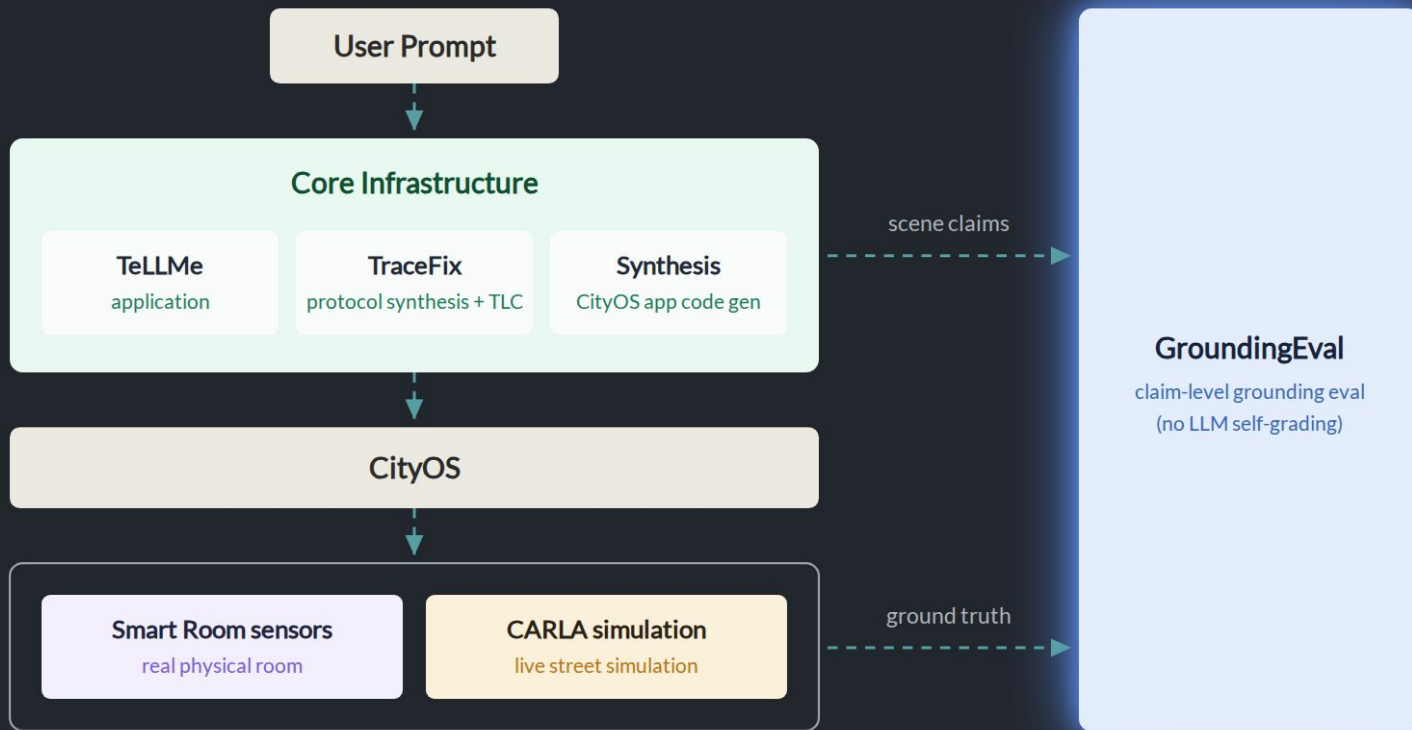
- Rutgers University Honors Computer Science
- Rising Sophomore



Maj Globocnik

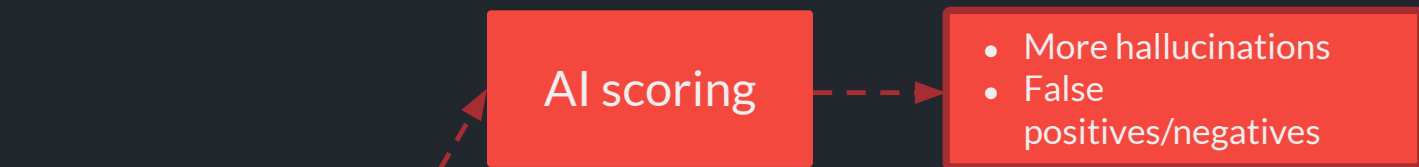
- Indiana University Honors Data Science & Finance
- Rising Junior

Stack Overview:

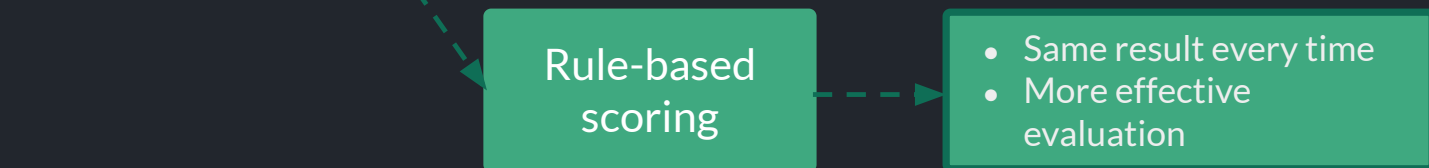


Proposed Solution:

The wrong way



The GroundingEval way



Results

Deploy ⋮

GroundingEval standalone checker

Upload Ground Truth JSON, paste structured TeLLMe output or plain text, and inspect an auditable five-verdict evaluation.

Ground Truth JSON

scenar...OUTPUT.json
0.8MB

Domain

Auto

TeLLMe output

```
{
  "text": "Person 47",
  "type": "person",
  "id": "47"
},
{
  "predicate": "state",
  "value": "undergoing self-propelled forward motion",
  "timestamp": "10.0"
}
}
```

Evaluate

Clear / reset

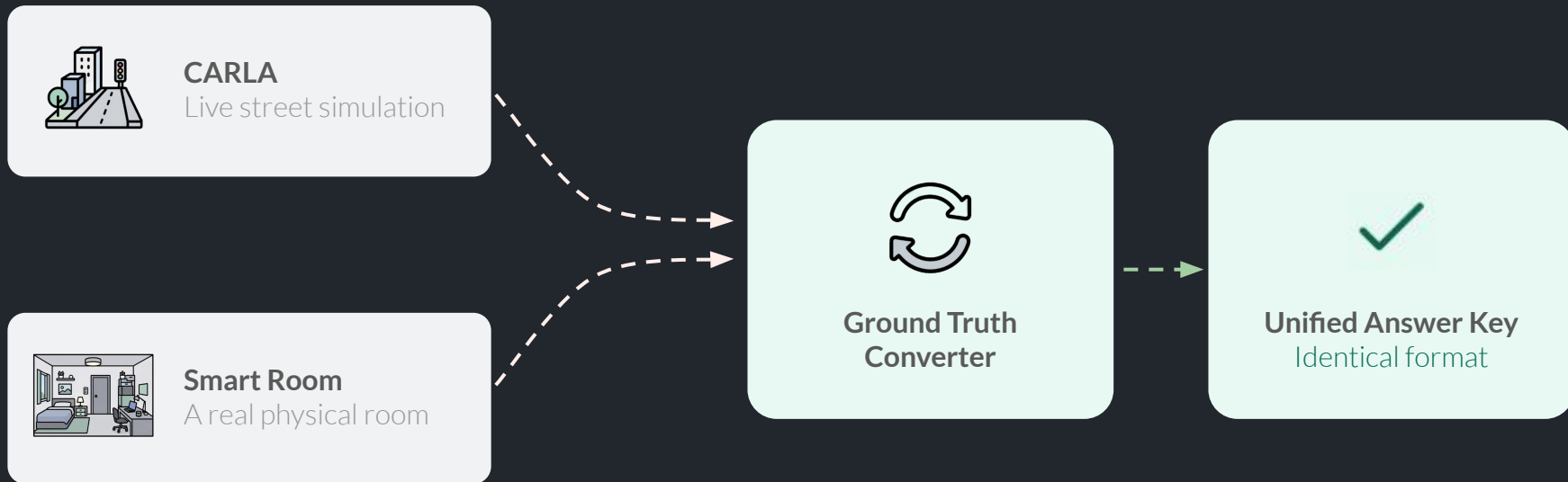
Final verdict

SUPPORTED

Registry 0.2.0-draft · 1 claim(s)

Ground Truth & Converter

Ground Truth: structured data that represents what is happening in a scene (simulation or smart room recording)



Difficulty Measurement

Scenario Complexity

Question Difficulty

Checker A

Predetermined Scenarios



Scenario Ground Truth



FAIL



PASS

Checker B

Scenario Ground Truth



TeLLMe's Answer



SUPPORTED



CONTRADICTED



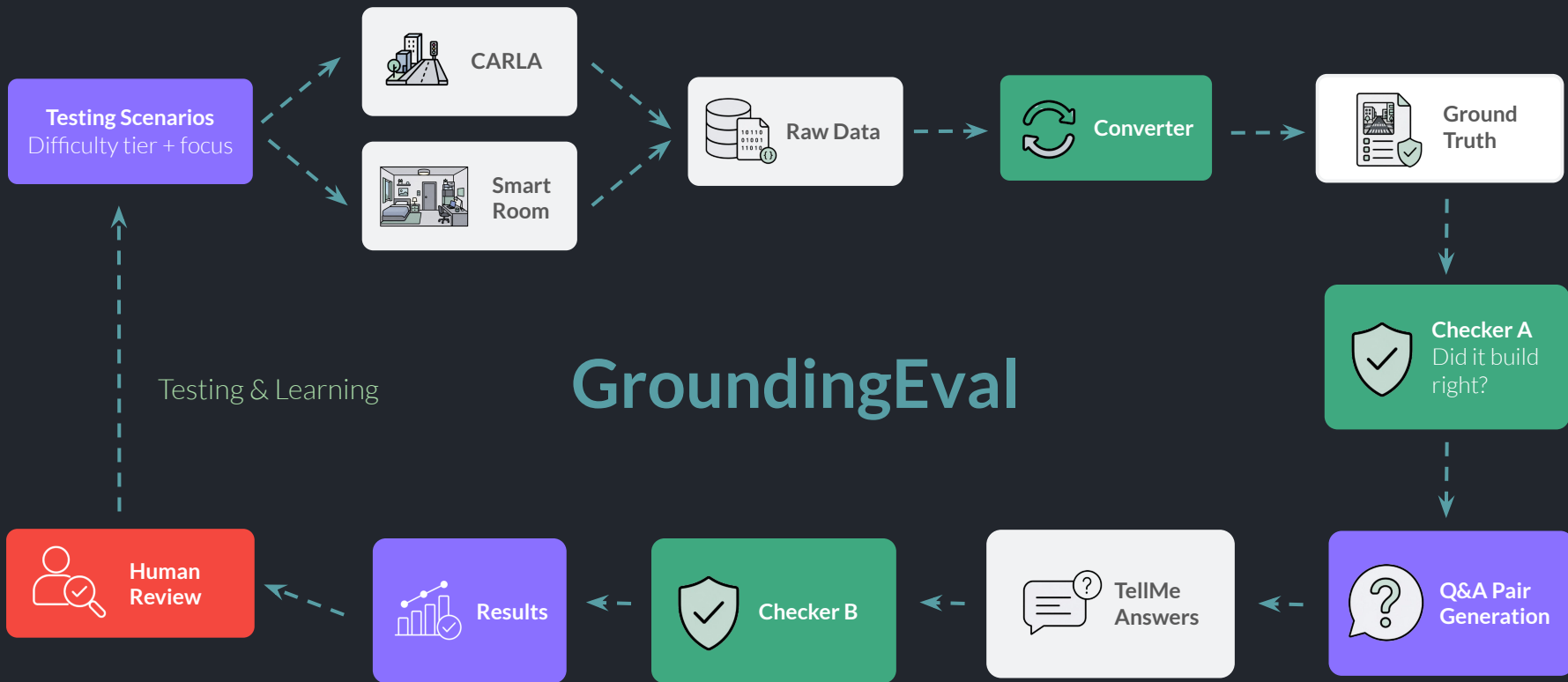
NOT RELATED



NOT EVALUABLE



● AI-driven step ● Deterministic (fixed rules, not AI) ● External system (simulator, room, TeLLMe) ● Human decision point



Future Work

Pipeline Automation

Increase Batch Difficulty

Smart Room Expansion

CARLA Map Expansion



Aryan Mittal



Vikhyat Kulshrestha

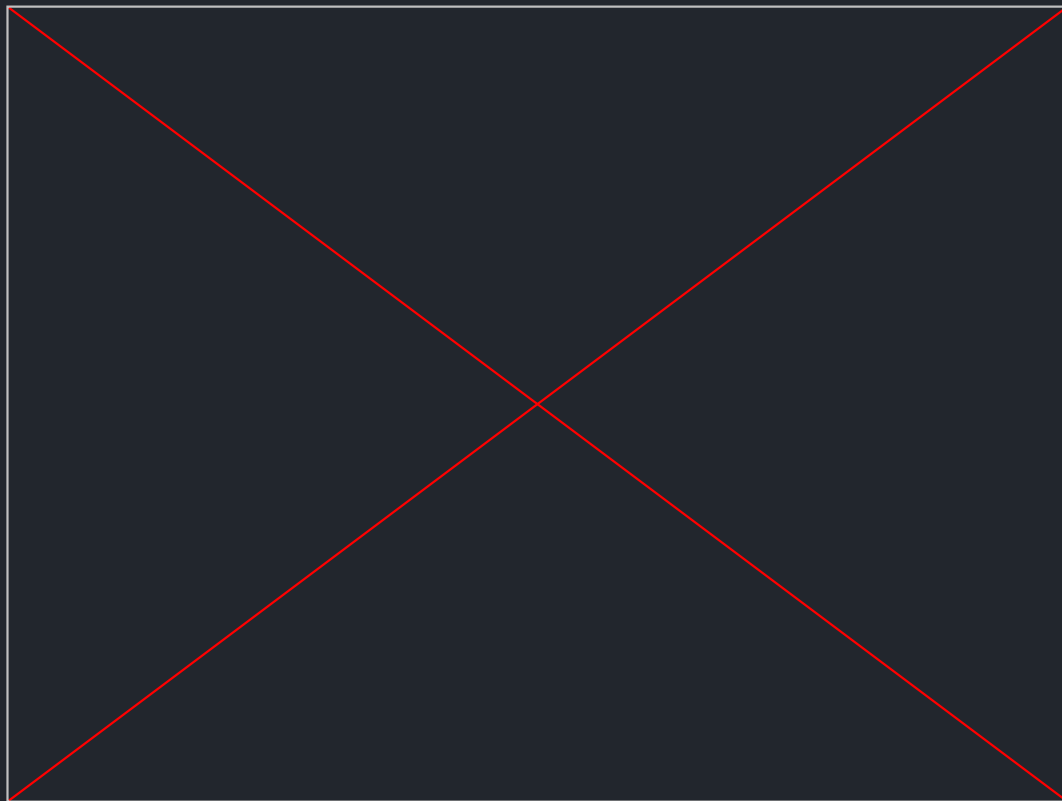


Maj Globocnik

Check out our Wiki Page!



Final Demo - Smart Room



Final Demo - CARLA

