

# Progress Presentation

## Implementing Intersection Behavior in STL (and beyond)

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# Outline

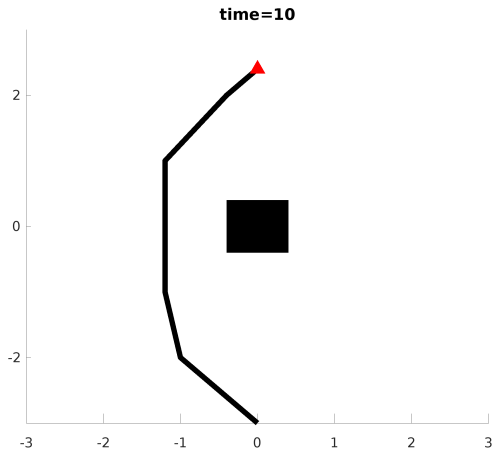
- Background
- Goals
- Implementation
- Progress
- Next Steps

- Design procedure to govern car operation through an intersection
- Expand on current set of algorithms
  - Reactive synthesis operation in uncertain environment
  - Online monitoring of STL properties

# Implementation

- BluSTL Matlab Toolkit
- Python Reimplementation Attempt
- Incremental Complexity

# Avoiding an Obstacle



GIF offline

# Next Steps

- Incorporate Cars
- Follow Car
- Merging
- Avoid Cars

# Questions?