

Engineering Notes No. 7.2

INFORMATION

NAME: Isabella Acosta

DATE: 01/16/25 - 01/21/25

Sprint: 7

JIRA BACKLOG

Responsible for:

- EGR Notes 2
- Isabella's Test

Contributed to:

- Create Introductory Test Case
- Email Isabella and Davian test script template

RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
N/A	N/A	N/A	N/A

COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
01/16/25	PolyVerif	Did not run	Computer was dormant and Quentin was able to fix it, still troubleshooting PolyVerif

PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
01/21/25	PolyVerif is giving us problems running scenarios, so we are moving on to AI and neuroevolution part of our project.	<p>Training questions for NE</p> <ul style="list-style-type: none"> • Training data <ul style="list-style-type: none"> ◦ Simulation - PolyVerif • What it improves <ul style="list-style-type: none"> ◦ Mission planning, control validation ◦ Should change car movements ◦ Its given a starting point and then it changes its moves after ◦ Is there any way we can have this change dynamically ◦ Reaction time of driver is important -- point system • Areas we can be lax on <p>SERENA - increase font size on the test scenario flow chart</p> <p>Start taking videos of PolyVerif test cases</p>

PROBLEMS TO ADDRESS NEXT

Table 4 - Future Problems

Problem	Description
Troubleshooting PolyVerif	PolyVerif is in an unstable state right now, we are continuing to troubleshoot it to get it working and stable.
AI and neuroevolution	Moving over to the AI and neuroevolution aspect of our project, we are in the beginning stages of brainstorming and reefing what we want our scope to be.

MEETING NARRATIVE NOTES:

Table 5 - Meeting 1

01/16/25	Meeting Type: Class/Standup/Presentation/MicaPlex	
Met with Product Owner(s): Y/N		
Problems Brought Up:		
Problem	Proposed Solution	
Computer Dormant	We tried to fix it ourselves but did not succeed, Quentin was able to fix it	
PolyVerif not working	Continuing to troubleshoot PolyVerif	
Other Items Updated on:		
Met in the MicaPlex		
Additional Notes:		

Table 6 - Meeting 2

01/21/25	Meeting Type: Class /Standup/Presentation	
Met with Product Owner(s): Y /N		
Problems Brought Up:		
Problem	Proposed Solution	
AI and neuroevolution approach	Began to brainstorm and define our scope for the AI and neuroevolution part of our project	
Other Items Updated on:		
Training questions for NE <ul style="list-style-type: none">• Training data<ul style="list-style-type: none">◦ Simulation - PolyVerif• What it improves<ul style="list-style-type: none">◦ Mission planning, control validation<ul style="list-style-type: none">▪ Should change car movements<ul style="list-style-type: none">• Its given a starting point and then it changes its moves after		

- Is there any way we can have this change dynamically
- Reaction time of driver is important -- point system
-
- Areas we can be lax on

SERENA - increase font size on the test scenario flow chart

Start taking videos of PolyVerif test cases

We need this stuff now so we aren't crying later when it doesn't work

Additional Notes:

NOTES:

PolyVerif continues to be unstable. Since we are not making progress, we have put the scenario testing on pause and decided to focus on the AI and neuroevolution part of this project. We began brainstorming and somewhat defined our scope, and we will continue refining it in the coming weeks. PolyVerif has proven to be very unstable and we are trying to get it back up and running but it has been difficult.