

# Adaptive Systems for Lie Group Detection of LLMs

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November 18, 2025

# Interim Report Presentation

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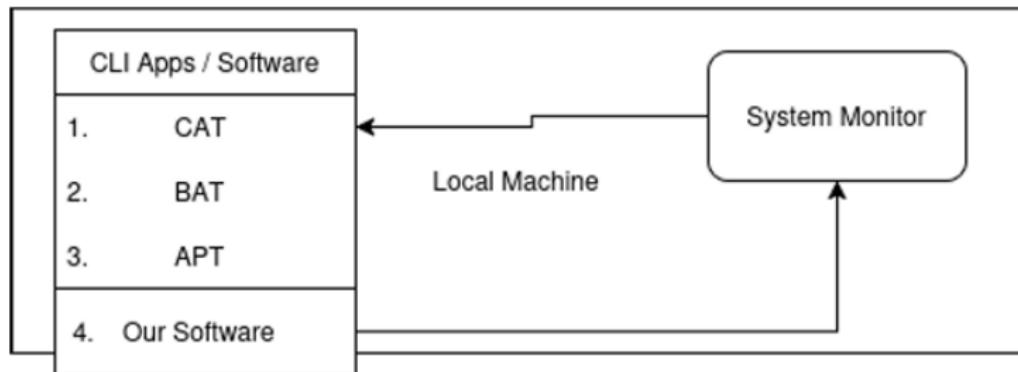


Figure 1: architecture overview of the problem we're trying to solve

Lets assume that we have a malicious actor in our midst. It is completely imperceptible due to being named as the rest of the Unix utilities that we're investigating on our system.

# Interim Report Presentation

We posit that the malicious actor is attempting to present some other piece of software on our system as a foreign actor, or worse yet, take advantage of our resources.

## Project Name

I have not yet on a particular name, so I ask you for suggestion on the software name that I should use for this project.

I have used schematics so far, but I would like to use the word Toolbox in the resulting software's architecture.

## Interim Report

Software and command line tools have been known to misbehave since the beginning of time.

Dubious packaging and ownership information often makes us doubt ourselves.

*How do I address this in my report?*

I have done thorough research.

## Software Engineering

I am a software engineer since I had my first job at Southborough High School IT Department in 2016.

- My preference is exclusively Java
- My work is usually tidy, unless disturbed
- My communications and responses are always sharp

**Software** There exists lots of software in similar capacity being aptly and sometimes mischeviously named:

- Paint.NET
- VLC Media Player
- Transmission
- Audacity
- FileZilla
- Deep Magic
- Malwarebytes

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I have so far included it as plain excerpt from their website.  
Available [here](#)

Should I attach a copy of their document as an appendix to my report?

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Pending discussion with Christopher

- No frontend / GUI
- No feature creep
- DRY principles
- Version Control for Software
- Publicly available to encourage adherence to Code of Conduct

# Statement of Originality

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I have it up on my github.

*Please advise on best presentation style*

## Completion Timeframes

- Majority of the report document has been typeset
- Majority of the research has been carried out
- Majority of the research has been compiled
- Code will be implemented around Christmas time

First meeting

*Project proposed*

Next meeting

*Not yet determined*

Adaptive  
Systems for  
Lie Group  
Detection of  
LLMs

# Proposal Document

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OneDrive link

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Questions here