

Vision Statement Team-7

Project Title: Auto-Grader

Team Name: Forta-fy (Fortify)

Members Information

- Joe Zhang (joezhang@ucsb.edu) - Lead
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Industry Partner

- Christian Seifert
- Forta Foundation

What problem is being solved

Our project's aim is to develop an auto-grader that can take an alert as input and automatically retrieve the relevant information from the web to determine whether an alert is a false or true positive, similar to how a human makes that assessment. We can use Large Language Models (preferably Chat GPT) to use functions to retrieve information from block explorers, on-chain, and other systems

Why the problem is important

The significance of this project lies in addressing the quality assessment of threat intelligence feeds. Currently, this assessment is carried out through manual reviews by human analysts. However, this approach is labor-intensive, lacks scalability, and can introduce bias into the decision-making process. By developing an automated solution, we can measure its precision and use the results to improve current methods. This would lead to a decrease in scams, as users can make more informed decisions based on more accurate alerts.

How the problem is solved today

Currently this work is done by people reviewing alerts manually which is time and resource consuming. Also there is human error and bias that leads to inaccurate results. The main outcome of this project is to deliver a fully functional program capable of automatically detecting whether

`an alert is a false or true positive. This program utilizes LLMs, and will mimic the decision-making process of a human analyst.

Technologies

- ChatGPT (Preferably)
- Python (Preferably)
- Blockchain helper programs: Etherscan (a block explorer)

Milestones

- Learn and research blockchain security & apis before PRD 1
- Integration with Etherscan and other helper bots
- Testing and Evaluation, compare results with human evaluation
- Deployment and Scaling
- Initial Prototype Demo (Dec 4)
- Final Product Demo (Mar 15)