sdmay23-01: Knowledge Graphs for Cybersecurity Reasoning
Week 4 Report
October 14 - October 21

Team Members

Brandon Richards — *Frontend Development Lead*
Micah Gwin — *Python/ML Development*
Alice Cheatum — *Programmer/CYB E Knowledge*
Nicklas Cahill — *Tester/Programmer*
Michael Watkins — *Python/ML Development*
Carter Kitelinger — *Client Interaction/CYB E Knowledge*

Summary of Progress this Report

- Selected 4 articles to label manually
- Found software to annotate sources in effective and correct way
- Decided on output from spider being stored in MongoDB

Pending Issues

- Inputs and outputs of each subcomponent of the scraper

Plans for Upcoming Reporting Period

- Further research and implementation of article cleanup
- Fully implement scraping

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Brandon Richards	Created Python script to read environment variables, read a JSON file with information about sources to scrape, and send that list to a scraper.	3	0
Micah Gwin	Reviewed docker container for web scraper, learned how to build and run locally. Modified scraper from a testing project into the first version that takes a source list and returns parsed raw html pages.	3	0
Alice Cheatum	Found articles for manual labeling and began researching taxonomy/how to label articles. Met with client.	3	
Nicklas Cahill	Found articles for manual labeling as well as started research into how to manually label	3	0

	articles.		
Michael Watkins	Migrated container structure, slightly refined build process, integrated mongoDB container.	2	0
Carter Kitelinger	Researched ontology for annotating documents and discussing the creation of our own ontology; as well as meeting with the client.	2.5	0

Gitlab Activity Summary

Nothing to report.