

sdmay23-01: Knowledge Graphs for Cybersecurity Reasoning

Week 5 Report

October 21 - October 28

Team MembersBrandon Richards — *Frontend Development Lead*Micah Gwin — *Python/ML Development*lice Cheatum — *Programmer/CYB E Knowledge*Nicklas Cahill — *Tester/Programmer*Michael Watkins — *Michael Watkins*Carter Kitelinger — *Client Interaction/CYB E Knowledge***Summary of Progress this Report**

- Determined inputs and outputs of scraper and subcomponents.
- Begun performing article annotation.
- Achieved scraping of sources' homepages.
- Creation of MongoDB Docker container.

Pending Issues

- Scraping articles present on source's homepage.

Plans for Upcoming Reporting Period

- Fully implement scraping
- Have initial article annotation complete

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Brandon Richards	Reviewed Micah's MR to develop branch and solidified schema that scraper will be using to store articles in MongoDB.	2	0
Micah Gwin	Continued development on web scraper and started looking into parsing solutions and how to save data in MongoDB.	3.5	0
Alice Cheatum	Began annotating articles. Started researching methods for article cleanup.	3.5	0
Nicklas Cahill	Annotated articles. Started researching ways for cleanup.	3	0
Michael Watkins	Prototyping BeautifulSoup parsers for a few given sources.	3	0

Carter Kitelinger	Researched and created a taxonomy list of key words for annotating documents, as well as finding additional source articles to annotate.	2.5	0

Gitlab Activity Summary

Nothing to report.
