

**sdmay23-01: Knowledge Graphs for Cybersecurity Reasoning**

Week 8 Report

November 11 - November 18

**Team Members**Brandon Richards — *Brandon Richards*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**

- Further design parser structure, including interfaces and libraries.
- Begin website mockup.
- Begin example knowledge graph.

**Pending Issues**

- Performing NER in parser from one of many trained models or hybrid system.
- Performing RE in parser from trained model or spaCy.

**Plans for Upcoming Reporting Period**

- Finish example knowledge graph.
- Revise previous design document submissions.
- Finish website mockup.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Brandon Richards	Performed extensive research and documentation on different interfaces, libraries, models, resources, and formalization of parser. Worked on website mockup and creating example knowledge graph for design document.	5	0
Micah Gwin	Worked in team meeting on example knowledge graph and website mockup.	1	0
Alice Cheatum	Got brat working in a VM appliance. Worked on webapp mockup for design document.	3.5	
Nicklas Cahill	Met with Client, Started using BERT annotation tool for spaCy to draw	3	0

---

	connections between nodes.		
Michael Watkins		0	0
Carter Kitelinger		0	0

**Gitlab Activity Summary**

Nothing to report.

---