**Project Proposal ● OSINT Dashboard**

**What will the project do?**

We will be creating a web-based Open Source Intelligence (OSINT) dashboard, which will feature tools to analyze a wide variety of data sources. This includes website data, file integrity and metadata, as well as personal identifiable information.

* Website/Domain Analysis
  + IP/Server Information
  + Domain/Registrar Identification
  + Site Features/Screenshots
  + DNS Records
  + Host Names
  + Shortened URL/Typosquat Analysis
* File Analysis
  + Photo/File Metadata
  + Hash Verification
* Phone Number Lookup
* Email Lookup
* Reverse Image/Text Lookup

The dashboard will supply the user with descriptive information about the data it collects, as well as sharing helpful sources to the various OSINT tools in which it utilizes.

**What problem does it solve?**

* Supply the user with information that would normally be collected across multiple platforms.
* Share insightful information about webpages, media, and personal identifiable information, which may be used in various OSINT investigations or for personal research.
* Help with OSINT investigations by utilizing a collection of validated technologies within one interface.
* Sharing descriptive information about various technologies, which may help users further understand specific technologies.

**What is the target audience for your program?**

* Individuals collecting information about a particular webpage, media, or personal identifiable information.
* Individuals conducting OSINT investigations for potentially fraudulent websites, that may or may not contain media or personal identifiable information.

**What technology will you use to create, manage, and complete the project?**

* Programming Technologies
  + Flask
  + Python
  + HTML/CSS/JavaScript
* Documentation/Project Planning
  + GitHub
  + Google Docs
  + VSCode/Live Share

**Have you already thought of classmates you would like in your project group?**

* William Campbell - Project Lead
* Andrew Flora - Technical Lead
* Santiago Colla - Lead Analyst/Developer

**What challenges do you foresee with your chosen project?**

* We will all be learning new technologies, which we will need to research/implement.
* Synchronicity between group members must be apparent, as well as knowing what is being worked on at a specific time.
* Sharing ideas, as well as sharing constructive observations between each individual in the group.