# YouTube Custom Web App

By: Randy Grant

#### **Abstract**

This attempts to create a web app that has the ability to return popular YouTube videos of specific subjects based on criteria such as views, comment count, etc. for a specific subject. The subject chosen is Cyber Security. This will enable the user interested in cyber security to search the page for items not searchable in YouTube itself such as comments.

### Design

#### Data

The data is from the YouTube Data API v3. This has content to retrieve feeds related to videos, users, and playlists as stated here. The selected fields for this project are:

- Added date
- Channel\_id
- Channel title
- Video id
- Title
- Description
- Tags

- Category id
- Duration
- View count
- Like count
- Favorited count
- comment count

# Algorithms

There were no machine learning algorithms in this project.

# Tools

Python, VSCode, GCP Cloud Shell Editor, PostgreSQL database

## Tools

These slides as well as the app are deployed for view.