



*Version: Beta*

## Citing Insights

Citing Insights is a web application to assess student papers. Our tool is designed to run on a remote Linux server and enables:

- The ability to access the Citing Insights tool from any computer in any location
- Allowing many users to share access the more powerful resources on a well equipped server
- Centralized installation and configuration of packages, supporting libraries, etc..

## Requirements

- While our application has the capability to run on a Windows and Mac Server, Citing Insights (and our documentation) is in regard to a Linux server

## Installing Citing Insights

The following are all UNIX commands, to be typed in a terminal

### Install Node.JS

Install a version of [Node.js](https://nodejs.org/en/) on the server. Following the steps from the [Node.js](https://nodejs.org/en/) website (<https://nodejs.org/en/>).

### Install MongoDB

Install MongoDB on the server, access [MongoDB installation documentation](https://docs.mongodb.com/manual/administration/install-on-linux/) (<https://docs.mongodb.com/manual/administration/install-on-linux/>) and choose your Linux distribution for instructions to install on your server.

## Install Anystyle

Citing Insights requires the Anystyle.io software to parse academic references. Anystyle.io requires that the Ruby programming language is available on the server to install the Anystyle Gem.

First, install Ruby from the [Ruby Homepage](https://www.ruby-lang.org/en/documentation/installation/)  
(url: <https://www.ruby-lang.org/en/documentation/installation/> )

Then, install Anystyle by typing `[sudo] gem install anystyle-cli` into the terminal.

## Clone the Repository

Clone the repository by running

```
git clone https://github.com/hsu-library-project-x/citing-insights-beta.git
```

## Install Dependencies in Client Directory

To install dependencies, navigate inside the citing-insights-beta directory, created through the previous clone command. Then navigate to the client directory using these two commands.

```
cd citing-insights-beta
```

```
cd client
```

Install all necessary dependencies for the client side of the application by running the following command. Please make sure you're in the client directory.

```
npm install
```

## Install Dependencies in Server Directory

Assuming, you just installed dependencies in the client directory navigate to the server directory using the following commands.

```
cd ..
```

```
cd server
```

Then install dependencies on the server using the command

```
npm install
```

## Obtaining Google API Credentials

Citing Insights requires Google to log in and out of the application. In order for the Citing Insights log in to work for your institution, you need to obtain Google API Credentials.

To obtain credentials go to [console.developers.google.com](https://console.developers.google.com), create a new project, and enable (it is free, but it requires a credit/debit card to register) to both **Google Analytics API** and **Identity Toolkit API**.

Be sure to click the Credentials tab on the left and set the correct Redirect URI's, as instructed by Google.

## Using Google Credentials in Application

Once you get the google credentials, the Citing Insights tool will require you to place that information in the config.js file. Create a **config.js** file in the server directory and place 'clientId' and 'clientSecret' information with your Google Credentials, keep the quotes.

```
module.exports = {  
  'googleAuth': {  
    'clientId': '',  
    'clientSecret': ''  
  }  
};
```

Similarly, navigate to /client/src/ create a **config.json** file and place your ClientID into the empty field.

```
{  
  "GOOGLE_CLIENT_ID": ""  
}
```

## Preview the Application Locally

To start the application locally and in development mode, from the terminal navigate to the server directory and type:

```
npm run dev
```

This will launch the server at <http://localhost:5000>, and the client (React application) at <http://localhost:3000>

At any point, if you wish to stop the application type `CTRL + C` in the active terminal.

This configuration is running nodemon, which allows for the server to restart any time it detects a change in a file (hot reloading). So, no need to bring down and bring up the server each time a change is made to a file, simply saving the file suffices.

## Launch Application on Server

Congratulations! You are ready to launch the Citing Insights tool as a React App on a server for your institution to use! React has excellent tools and instructions and depth that we could not provide. Therefore, we refer you to their webpage click [here](#) or visit <https://create-react-app.dev/docs/deployment> .

We would recommend using a process manager to handle any instances of the server crashing.