



ICSOG 2022 Summer Presentation

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Task

- Create a search interface for IC-SOG
- Vanilla JavaScript only
 - No external libraries such as jquery or react
- Single page application

Process

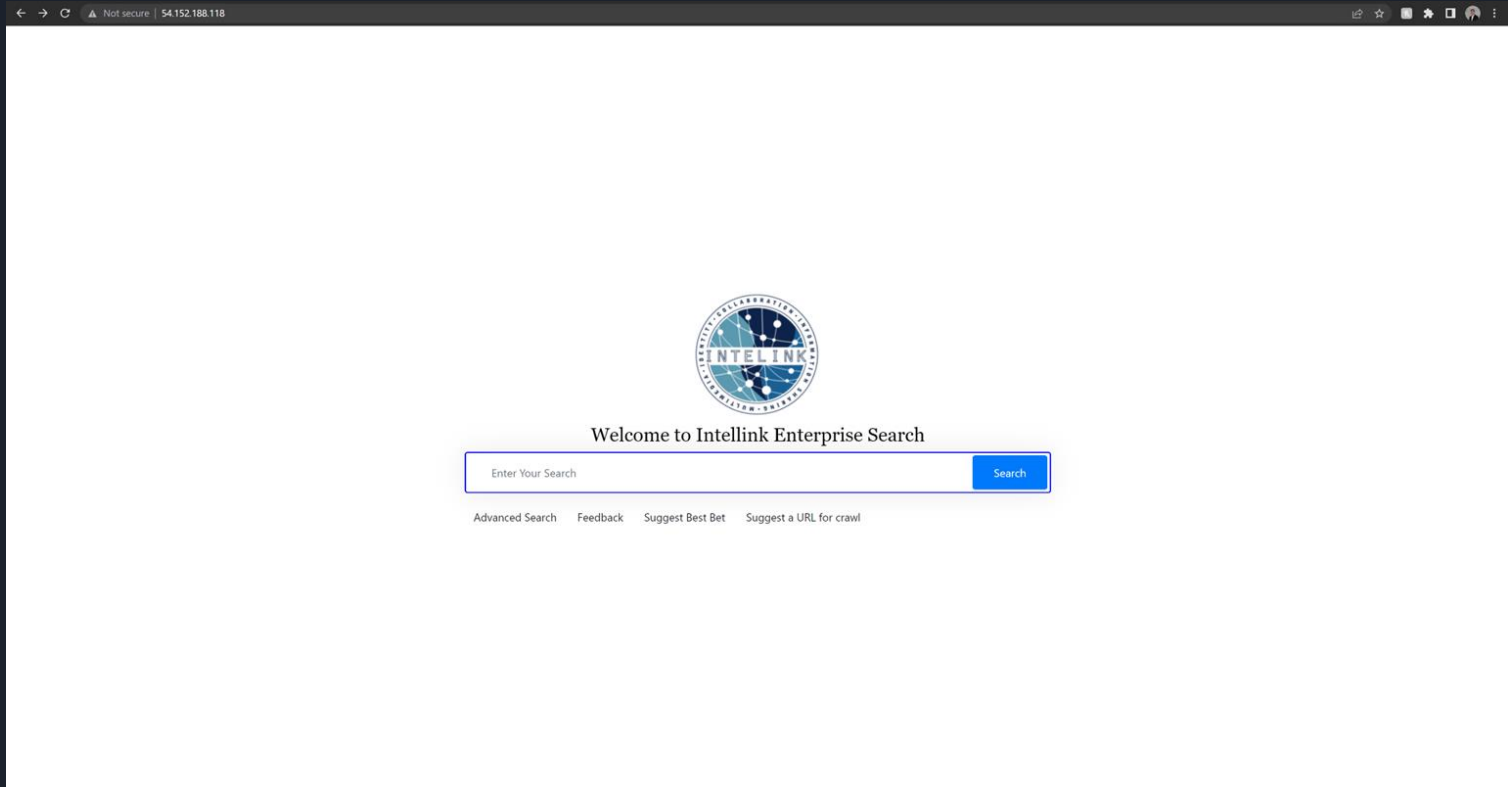
- Create webpage from scratch
- Create database full of test results
- Connect frontend and backend to load search results

Product

- Functioning search interface that queries a backend database



Frontend



Advanced Search ✕

Find web pages that...

Have all these words

Have this exact word or phrase

Have any of these words

Have none of these words

Terms appearing

Then narrow your results by...

File type

sites or domains

date range

Frontend Search Results:

The screenshot shows a search engine interface with the following elements:

- Search Bar:** Contains the text "China" and a "Search" button.
- Navigation:** Links for "Advanced search", "Provide feedback", and "Suggest URL for Crani".
- Filters:** "Web", "Images", "Video", "Map".
- Search Controls:** "Date: Anytime", "Sort: Relevance", "Results per Page: 10".
- Filters Panel (Left):**
 - Filters:** Sites, Keywords, Report ID, Message Traffic, BE Number.
 - Federated Search:** intelink-blogs, intelink-chirp, Enterprise-Catalog, intelink-video, Intellipedia.
- Results:**
 - China Mining:** Sun Yu, <https://www.ft.com/content/54fa1d7-7f6-485f-abd4-083f921e6ec1>
 - Centralized coherent database:** My mom is from China. Fenna Yulnina, [pinterest.com](https://pinterest.com/2021-01-30/pinterest.com), 2021-01-30, [relevant](#)
 - User-centric 24 hour approach:** My parents are from China. Russell Caughan, ehow.com, 2020-03-18, [relevant](#)
 - Optional multi-tasking application:** China is twenty times bigger than Japan. Carney Heffer, sl.edu, 2020-09-17, [relevant](#)
 - Iran to Import North Korean Missiles in 25-Year Military Deal With China:** 19 October 2020, 1700 CDT Following the end on the 18th of October of the 13-year United Nations embargo on Iran buying or selling weapons, the roll-out of the military component. Tedathly Allison, blogs.intelink.gov, 2021-04-01, [relevant](#)
 - China Accuses Australia of Hypocrisy over Cancelled Belt and Road Deals Asia Pacific Research.pdf:** The rocks have catapulted themselves off the moon and are heading towards Venus. John.Q.Smith, inteldocs.intelink.gov, 2020-03-22, [relevant](#)

Images

The screenshot shows a web browser window with a search engine interface. The search results are displayed as a grid of image thumbnails. A developer console is open on the right side of the browser, showing HTML and CSS code for the search results. The console includes the following code snippets:

```
<div id="filter"></div>
<div class="col-md">
  <div class="collapse show" id="bellist"></div>
  <div class="d-flex flex-row-reverse" style="font-size:12px" id="bets
found"></div> (flex)
  <div class="d-flex flex-row" id="results">Displaying results 0
through 10 out of 10 total results</div> (flex)
  <div id="demo">
    <div class="images-grid"></div> .grid
  </div>
</div>
</div>
</div>
  <div class="container mt-3"></div>
</div>
<script src="...scripts/search.js" halt(1); </script>
html body #resultsPage div.container-fluid.py-4 navbar.navbar-expand-lg
Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility
Filter show .cls +
@element-style {
}
@media (min-width: 992px)
  .navbar-expand-lg {
    flex-wrap: nowrap;
    justify-content: flex-start;
  }
  .navbar {
    position: relative;
    display: flex;
    flex-wrap: nowrap;
    align-items: center;
    justify-content: space-between;
    padding-top: 0.5rem;
    padding-bottom: 0.5rem;
  }
@media (min-width: 992px)
  .console What's New X
Highlights from the Chrome 104 update
Slow replay options in the Recorder panel
Replay user flows at a slower speed with the 3 new slow replay options.
New User Timings track in
```

The screenshot shows a search engine interface with a grid of image thumbnails. The search results are displayed as a grid of image thumbnails. The interface includes a search bar, a search button, and a list of filters. The filters are:

- > Sites
- > Keywords
- > Report ID
- > Message Traffic
- > BE Number

The search results are displayed as a grid of image thumbnails. The interface also includes a search bar, a search button, and a list of filters. The filters are:

- > Intlink-Blogs
- > Intlink-Chirp
- > Enterprise-Catalog
- > Intlink-Video
- > Intellipedia

Videos

Search Search

[Advanced search](#) / [Provide Feedback](#) / [Suggest URL for Crawl](#)

[Web](#) [Images](#) [Video](#) [Map](#)

Date: Anytime Sort: Relevance Results per Page: 10

Filters

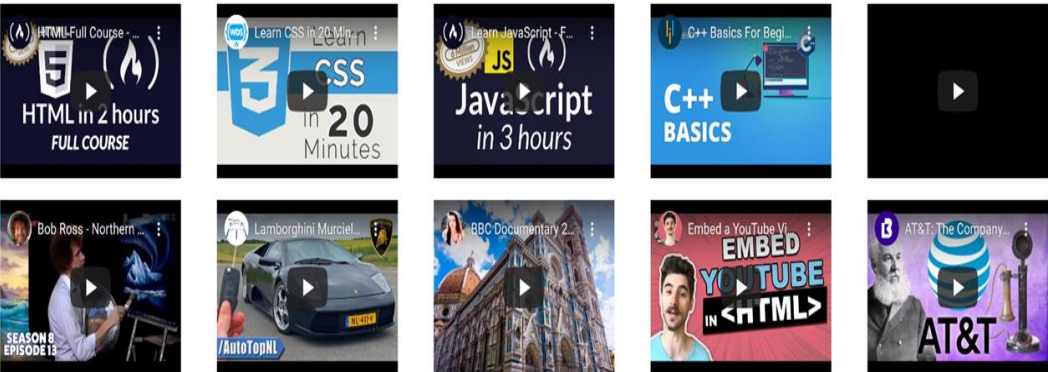
Displaying results 0 through 10 out of 10 total results

- > Sites
- > Keywords
- > Report ID
- > Message Traffic
- > BE Number

Federated Search

Results:

- > Intelink-Blogs
- > Intelink-Chirp
- > Enterprise-Catalog
- > Intelink-Video
- > Intellipedia



Search Search

[Advanced search](#) / [Provide Feedback](#) / [Suggest URL for Crawl](#)

[Web](#) [Images](#) [Video](#) [Map](#)

Date: Anytime Sort: Relevance Results per Page: 10

Filters

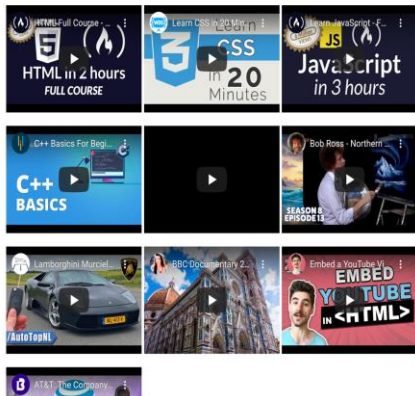
Displaying results 0 through 10 out of 10 total results

- > Sites
- > Keywords
- > Report ID
- > Message Traffic
- > BE Number

Federated Search

Results:

- > Intelink-Blogs
- > Intelink-Chirp
- > Enterprise-Catalog
- > Intelink-Video
- > Intellipedia



Frontend

Filters

- > Sites
- > Keywords
- > Report ID
- > Message Traffic

HR 1 502 0287 75 (1)
HR 1 655 0154 69 (1)
HR 1 655 0161 67 (1)
HR 1 655 0173 68 (1)
HR 1 655 0219 71 (1)
HR 1 655 0244 68 (1)
HR 1 655 0242 67 (1)
HR 1 655 0247 66 (1)
HR 1 655 0431 68 (1)
HR 1 655 0514 67 (1)
HR 1 665 0539 69 (1)
HR 1516 0239 69 (1)
HR 2 227 0141 09 (1)
HR 3203 3203 32 (1)
HR 4 006 0955 13 (1)

- > BE Number

Active Filters

messagetraffic="HR 1
655 0173 68"

[eeteeer who thinks the company's AI has come to life](#)

engineering/technology/2022/06/17/google-ai-labna-labna-labna-labna/

through 15 out of 244 total results.

[he Takes Stevie as Inflation With Largest Rate Increase Since 1954](#)

have took its most aggressive step yet to try to tame rapid and persistent inflation, raising interest rates by three-quarters of a percentage point on Wednesday and signaling that it is prepared to inflict economic pain to get prices under

control.

[e Of History, US Slams China For Backing Russia On Ukraine](#)

the United States expressed concern Wednesday about China's alignment with Russia, warning that nations which side with President Vladimir Putin on Ukraine will be on the wrong side of history

and

[eeteeer who thinks the company's AI has come to life](#)

D - Google engineer Blake Lemoine opened his laptop to the interface for LaMDA, Google's artificially intelligent chatbot generator, and began to type.

on

engineering.com

[Christopher Columbus Believed](#)

around the world is in a Ship.

on

education.gov

[e the signing of Erling Haaland from Borussia Dortmund](#)

has completed his move to Premier League champions Manchester City from Borussia Dortmund, the club announced. Haaland, 21, put pen to paper on a five-year deal at the Etihad Stadium.

on

[nt Date](#)

writing and education is off to a good start

on

education.gov

[ebsite](#)

Academy for Defense Intelligence The...

on

2022-05-28 intel@pdx.academy

intel@acq

[e Erling Haaland Price Revealed in Fantasy Football For The New Campaign](#)

Last season Manchester City and Liverpool were yet again the two sides to beat in the Premier League with City just about beating the Reds to the title therefore their sets of players were of course the ones to have in Fantasy Football.

Elliot Thompson

Academy

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[e Ford's Mustang Mach-E Proven To Weigh Out by Common@x Costs](#)

Ford Motor Co has selling Mustang Mach-E electric SUV and other plug-in models are being rendered unprofitable by rising raw material costs.

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[Internet Explorer, aka of Windows, dies at 26](#)

Internet Explorer is dead. Microsoft is retiring IE today after nearly 27 years. The aging web browser is being sunset in favor of Microsoft Edge, with support being officially withdrawn for IE 11 today, to the end of an internet era, after Microsoft I

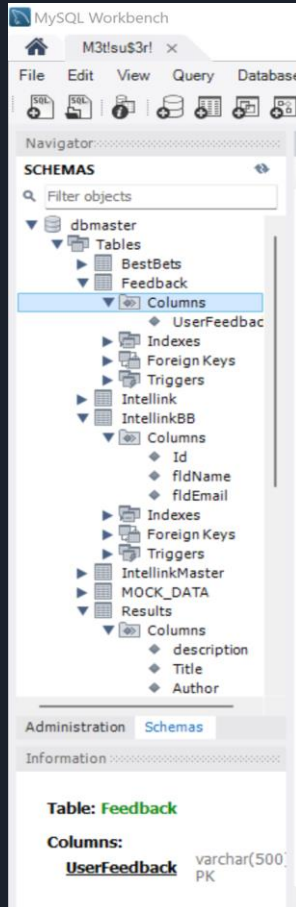
Tom Wapner

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2022-09-31 www@thetravel.com

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Back-end



The screenshot shows the MySQL Workbench interface. The Navigator pane on the left displays the 'dbmaster' database schema. Under the 'Columns' folder, the 'UserFeedback' table is selected. The 'Columns' list for 'UserFeedback' includes 'description' (varchar(500)), 'Title', and 'Author'. The 'Administration' tab is active, and the 'Schemas' sub-tab is selected. The 'Table: Feedback' and 'Columns: UserFeedback' are displayed at the bottom.

```
$keyword = '';
$siteFilt = '';
//filters
if($_GET['fq']!='') {
    $keyword = $_GET['fq'];
}
//store all the keywords, into one variable
$arrayWithValues = explode('AND', $keyword); // use explode to separate url parameters keywords/sites
$arrayKeyword = [];
$arraySite = [];

for ($i = 0; $i < count($arrayWithValues); $i++)
{
    if (str_contains($arrayWithValues[$i], "keywords:"))
    {
        array_push($arrayKeyword, substr($arrayWithValues[$i], 10));
    }
    else
    {
        array_push($arraySite, substr($arrayWithValues[$i], 6));
    }
}

//so we need to pass search, count, date range, and page number into our query
if($dateR == '0 days') {
$stmt = $con->prepare("select * from Results where (description like '%$search%' or Title like '%$search%') AND Date<='$dateString' AND Site like '%$site%'");
} else {
$stmt = $con->prepare("select * from Results where (description like '%$search%' or Title like '%$search%') AND Date>='$dateString'");
}
$stmt->execute();

$results = $stmt->fetchAll(PDO::FETCH_ASSOC);
$numRes = sizeof($results);
```



Takeaways



Any Questions?