

Exact Fact

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“I think the vast majority of people, regardless of education and whatnot, really are good. So how can it be that they still do so much nasty stuff? It has everything to do with the information that we’re given.”

— **Max Tegmark**
Professor of Physics at MIT



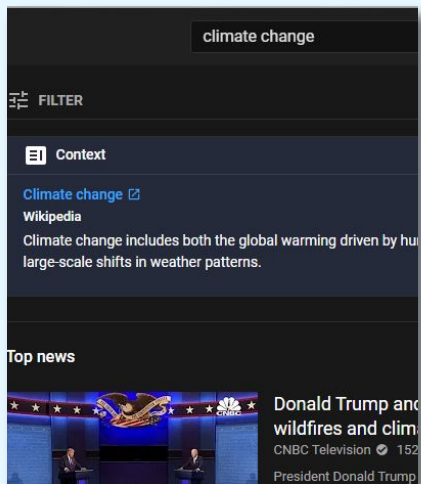
The Problem

- ❖ Rapid spread of misinformation on the internet has become more evident over the past decade
- ❖ Malicious agents can communicate to a large audience through social media
- ❖ It is unreasonable to expect individuals to take the time to fact-check every claim that they see

Manual Fact Checking

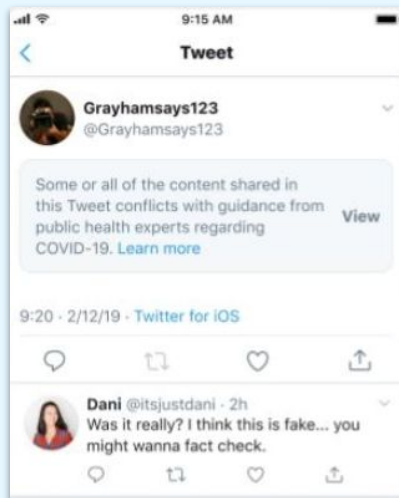
YouTube

Embeds wikipedia articles for controversial topics



Twitter

Actively tags posts containing misinformation



- ❖ Only on specific websites
- ❖ Done manually by humans
- ❖ We need an automated solution for any website

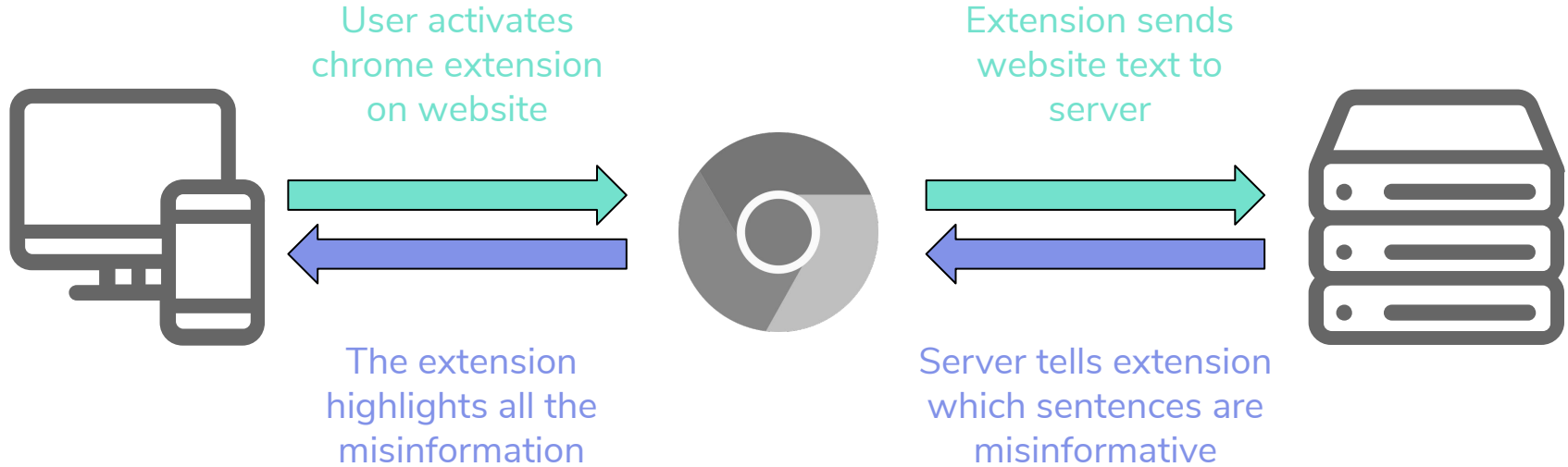
The Solution



- ❖ Chrome extension that highlights misinformation and political bias
- ❖ Hovering the user's cursor over highlighted text gives:
 - Suggested reason the text is incorrect
 - Article / post publication date
- ❖ User can click on sources to credible articles disproving claim



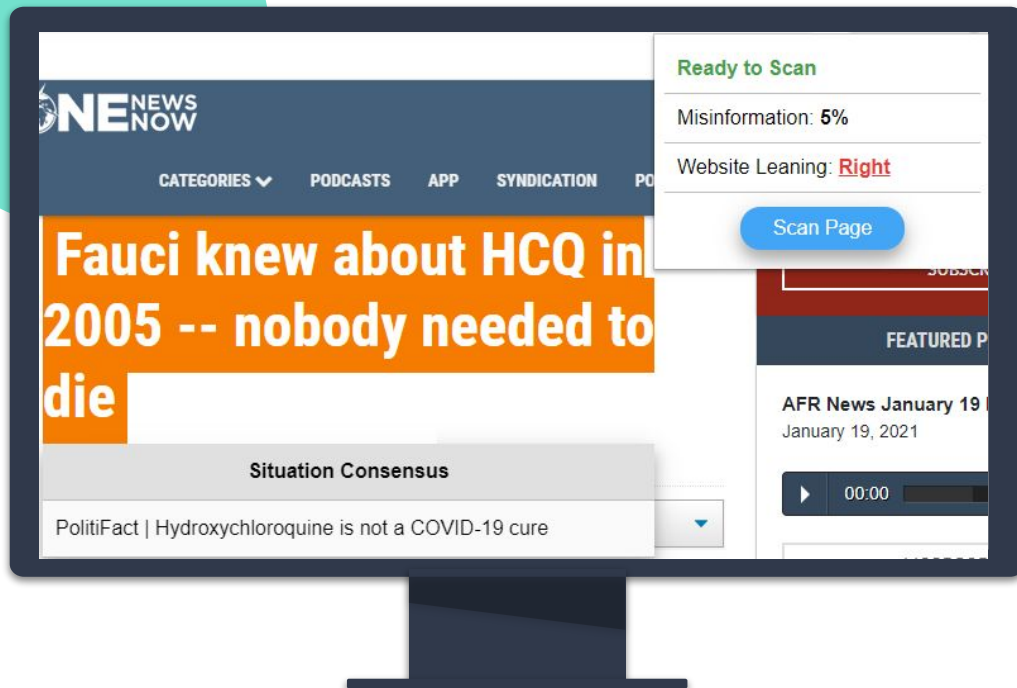
How We Do It



The Extension

When the button is clicked, it searches the page for:

- ❖ Misinformation
- ❖ Political leaning
- ❖ Biased journalists



The Server



Sentence Splitting

Splits received data into sentences

01

Sentence Similarity

Calculates similarity between sentences from webpage and article headlines

02

Misinformation Matcher Algorithm

Quickly compares every sentence from webpage to thousands of articles

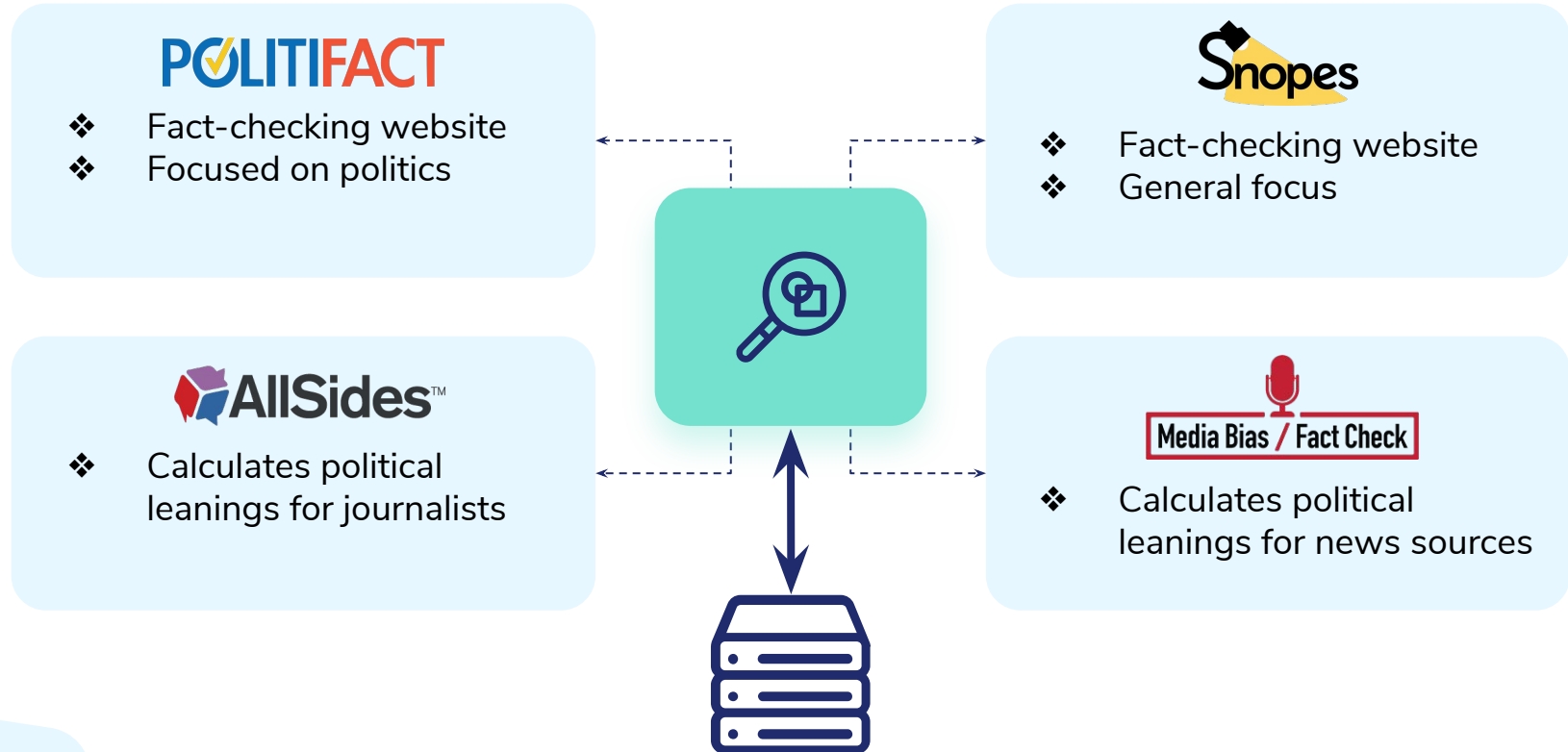
03

Return Data

Sends misinformative sentences back to extension

04

Our Sources



Privacy

No Data Saved



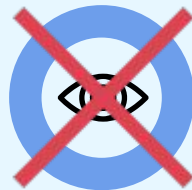
The server will never save any of your data

No Passwords



The extension will never see your password

No Spying



The extension will not run when not in use

The Truth



- ❖ Current consensus among authorities of a given subject
- ❖ Server uses Politifact and Snopes as sources of the truth
- ❖ Truth changes over time
 - In the case that two articles contradict each other, prioritize the newer one

