

# The Future of Search

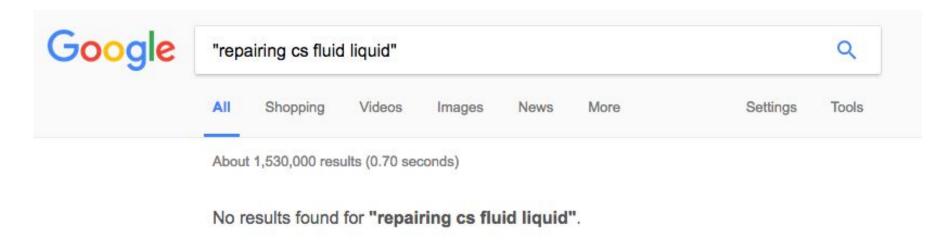
Berthier Ribeiro-Neto, Eng Director David Monsees, Product Manager

#### Doctor tells you:

- The exam revealed a problem of "cerebral spinal fluid liquid", or "cs fluid liquid".
- It is serious, but we can repair it.

Query: "repairing cs fluid liquid"

Query: "repairing cs fluid liquid"

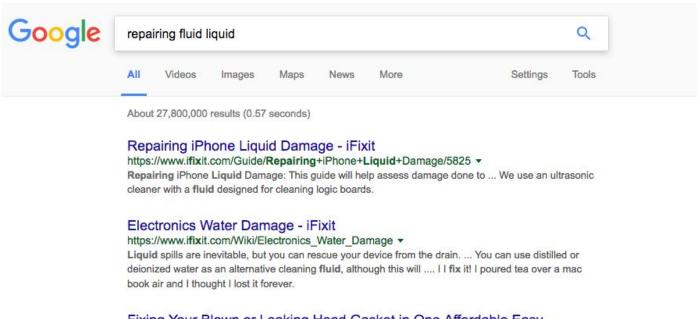




Query: repairing fluid liquid



#### Query: repairing fluid liquid



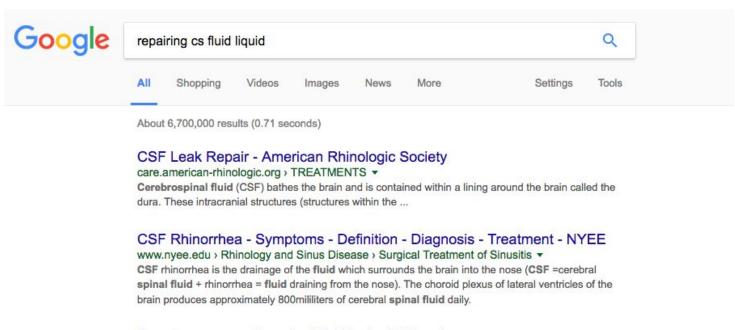
Fixing Your Blown or Leaking Head Gasket in One Affordable Easy ... barsleaks.com > Blog \*

Mar 18, 2016 - Here is the general process to cooling a liquid-cooled engine: ... Heated fluid is pumped through a hose to the radiator at the very front of the ...

Query: repairing cs fluid liquid



#### Query: repairing cs fluid liquid



#### Spontaneous cerebrospinal fluid leak - Wikipedia

https://en.wikipedia.org/wiki/Spontaneous\_cerebrospinal\_fluid\_leak ▼
Jump to Neurosurgical repair - Primary suturing is rarely able to repair a CSF leak, and in some patients exploration of the dura may be required to ...

But, how did we get there?

Where is the magic?

Query: repairing cs fluid liquid



Query: repairing cs fluid liquid



System Query: repairing cerebrospinal fluid liquid

#### Word Synonym

cs = computer science

cs = credit suisse

cs = citizens state

cs = counter strike

cs = central station

cs = cerebrospinal

cs = culinary specialist



# Word Synonym cs = computer science cs = credit suisse cs = citizens state cs = counter strike cs = central station cs = cerebrospinal cs = culinary specialist



#### Context

phdcsadmission in california

daily prices for cs equity funds

cs bank hayfield

2007 cs world cup

bus amsterdamcs to airport

repairing cs fluid leak

2010 navycs study guide

#### Algorithmic deduction of "cs"

*cs* = *computer science* 

cs = credit suisse

cs = citizens state

*cs* = *counter strike* 

cs = central station

cs = cerebrospinal

cs = culinary specialist



CONTEXT	Algorithmic acadetion of cs
phdcsadmission in california	cs = computer science
daily prices for cs equity funds	cs = credit suisse
cs bank hayfield	cs = citizens state
2007csworld cup	cs = counter strike
bus amsterdamcs to airport	cs = central station

Algorithmic deduction of "cs"

cs = cerebrospinal

cs = culinary specialist

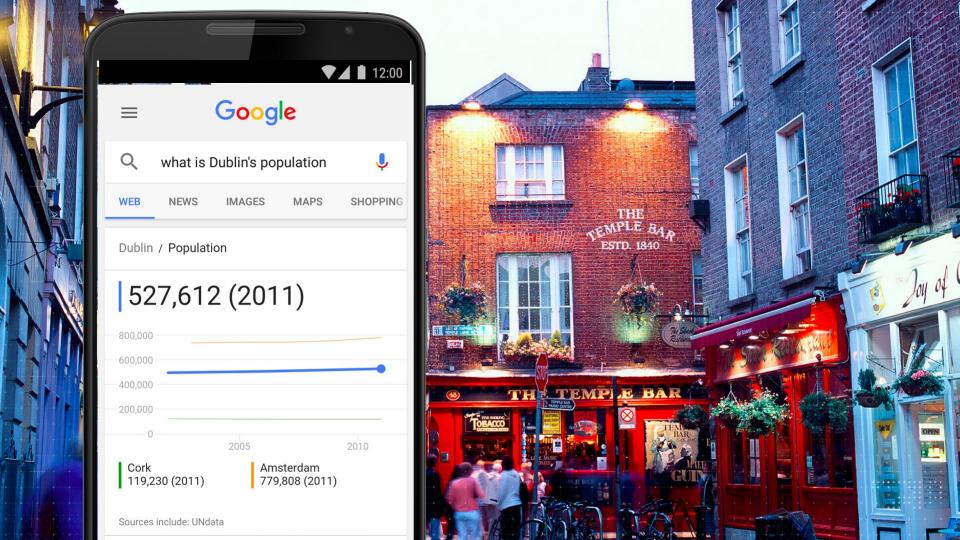


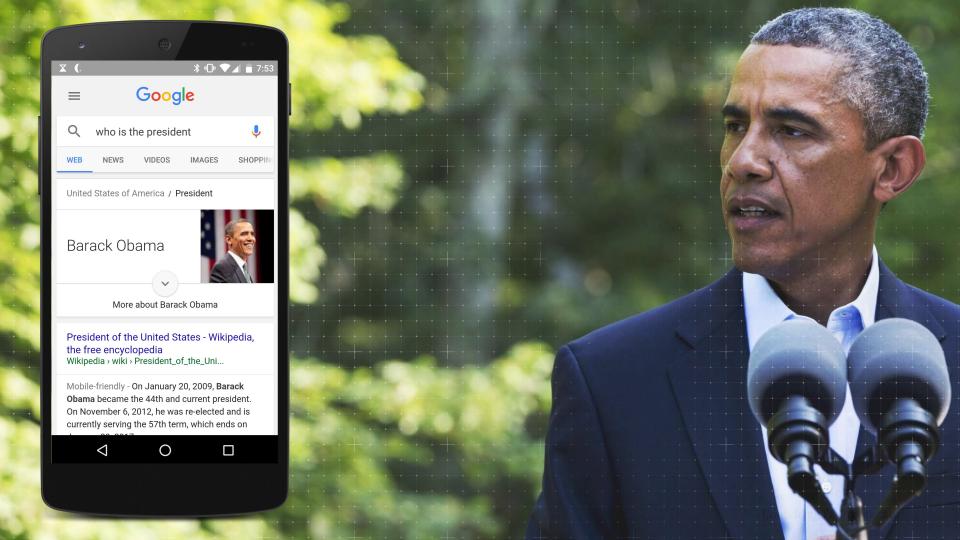
Context

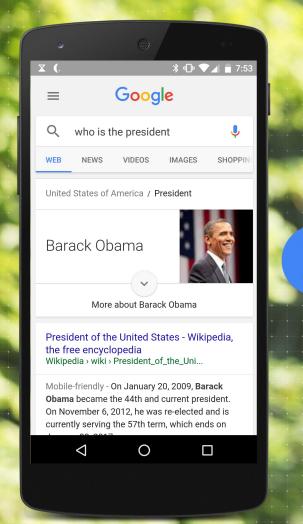
repairing cs fluid leak

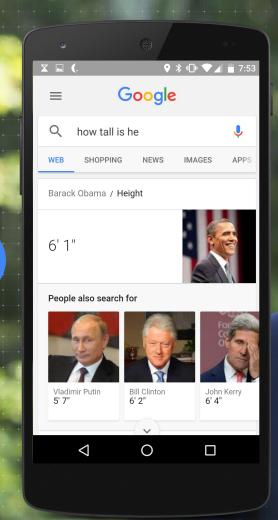
2010 navycs study guide



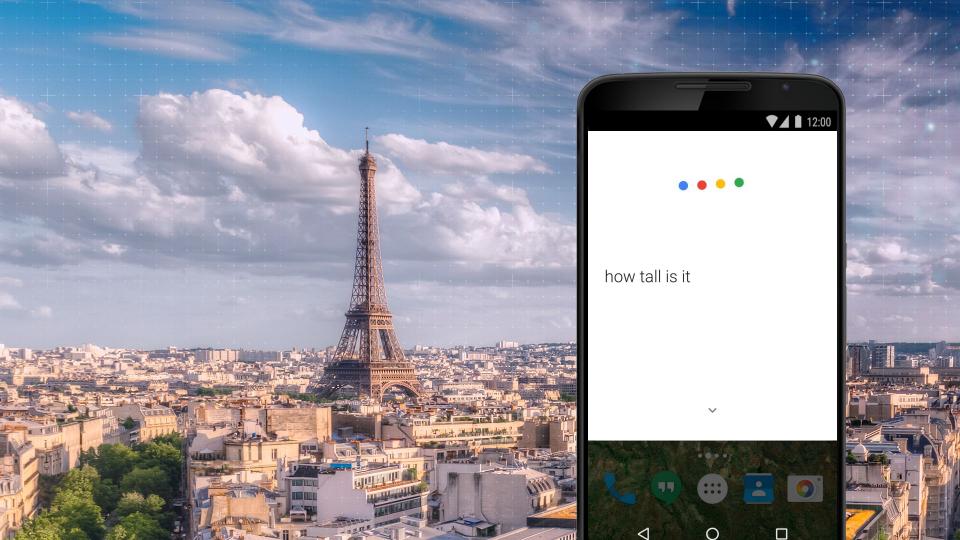




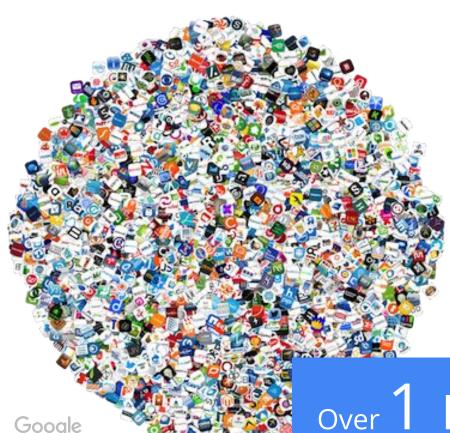






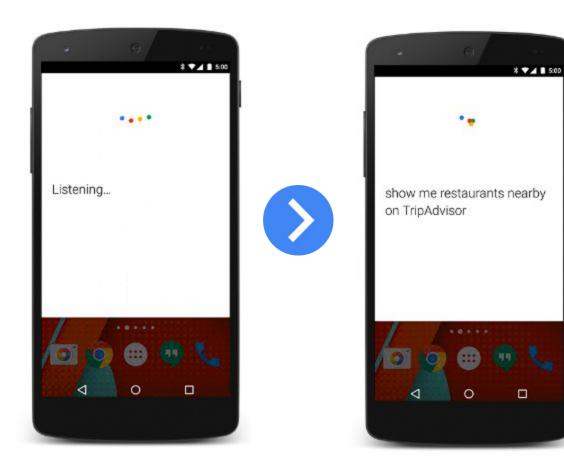


#### A more recent breakthrough: "Apps in Search"



Over 1 million apps in Google Play

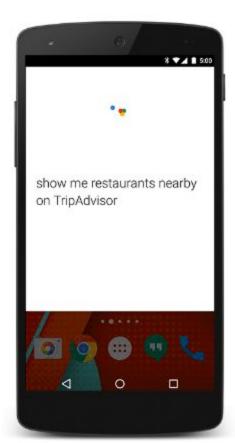




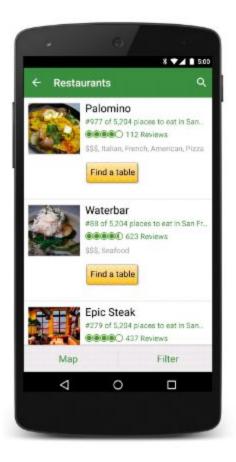


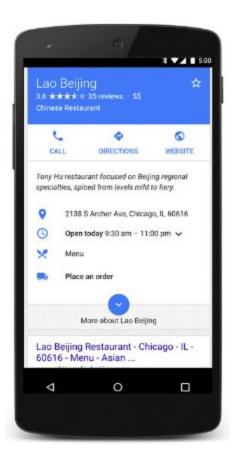


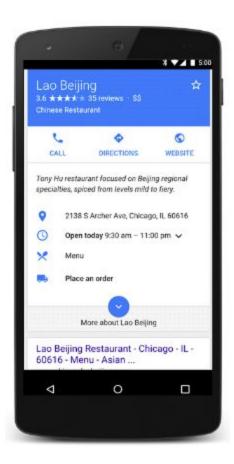




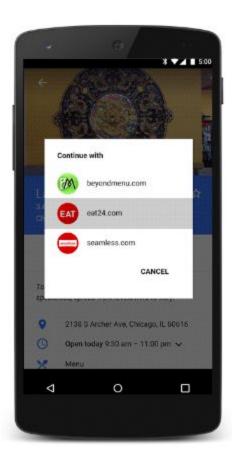




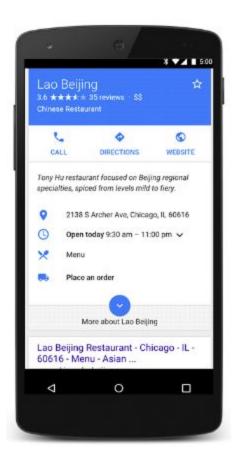




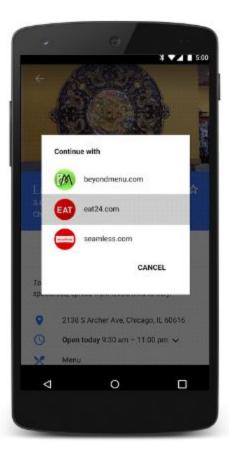




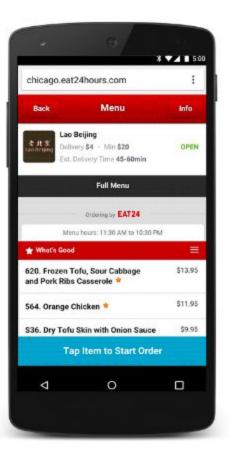


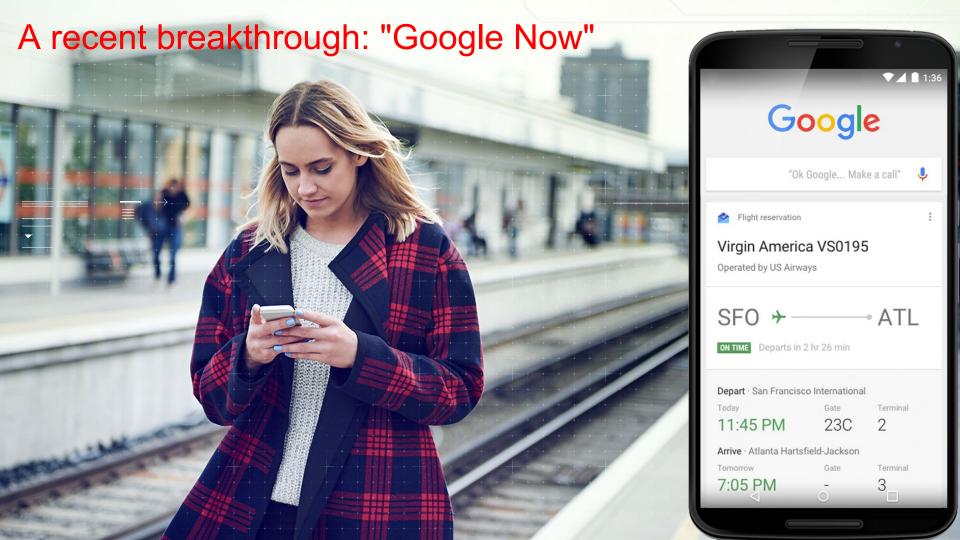


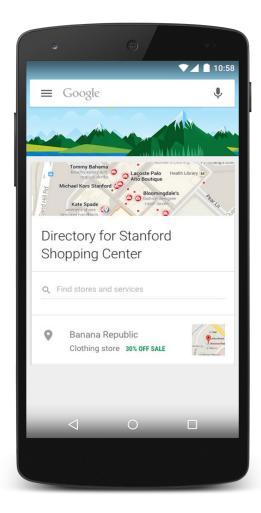




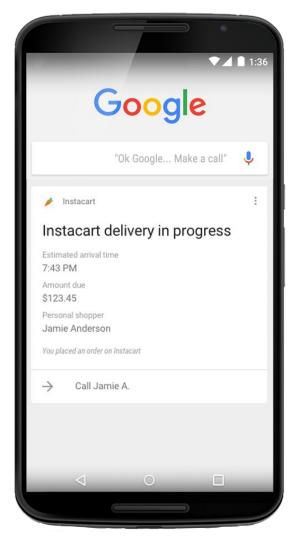














But, what is there in the *future*?



"The perfect search engine should understand exactly what you mean and give you back exactly what you need."



- Larry Page







#### Search should be an "Assistant"

An "assistant" is an engine that allows the users to quickly:

- identify key topics of interest
- identify related topics of interest for exploration
- summarize the contents of Web pages in the result
- recommend or suggest actions in the physical world
- detect challenges, risks, even dangers associated with the actions recommended

## Search should be an "Assistant"

An "assistant" should fundamentally facilitate learning by the users.

For this, it must "understand" natural language and its meaning.

Understand natural language ?!

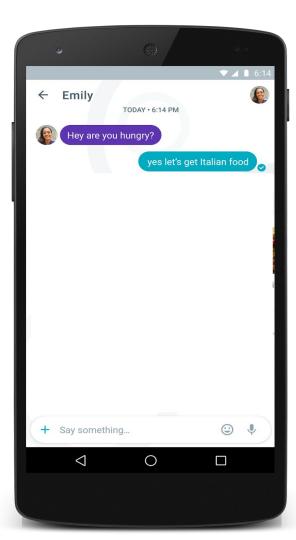
An "assistant" that understands language ... is it even possible?

# The latest breakthrough?

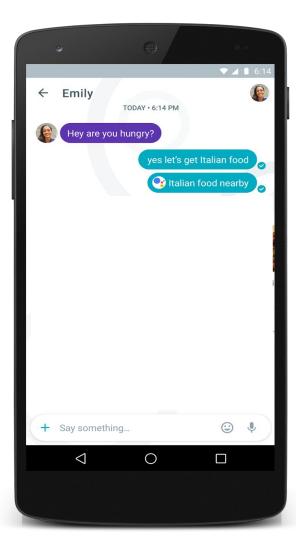


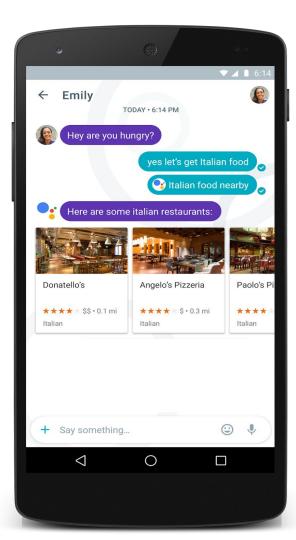




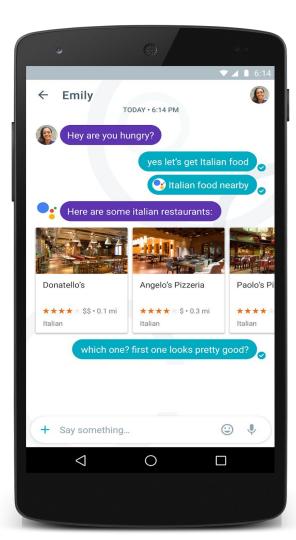




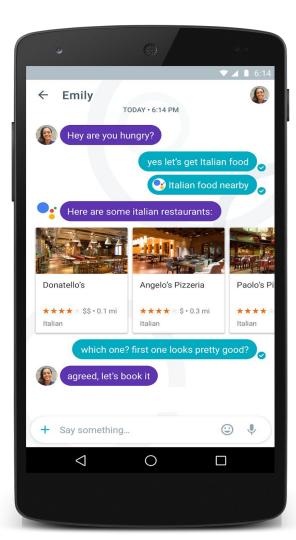




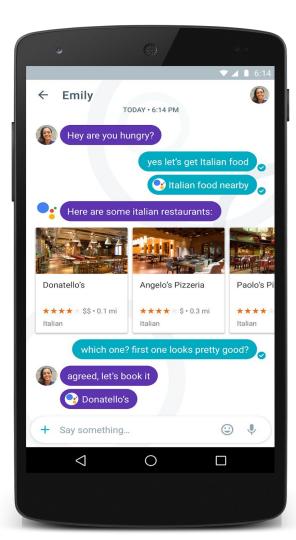














# Thank you!



# Appendix



# Introducing Accelerated Mobile Pages (AMP)

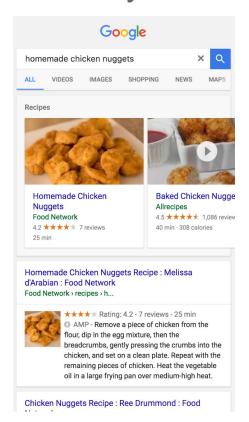


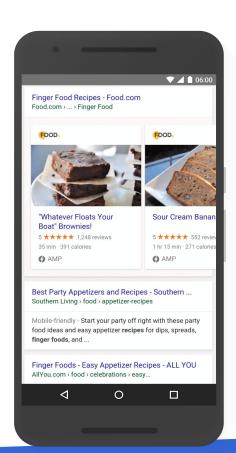
Web pages, today



Accelerated Mobile Pages

## AMP will be everywhere!





### AMP benefits

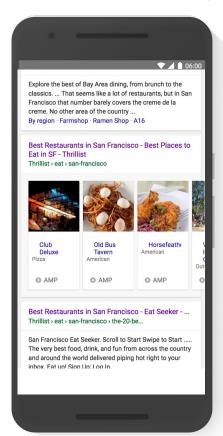
**Instant**: reduce bounce rate, improve user engagement, and increase loyalty

**Everywhere:** AMP HTML embraces the open web, so content appears across all modern browsers & apps.

### Seamless, simplified publishing

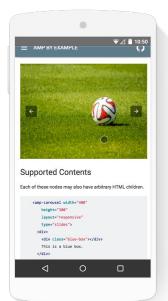
Pages are published normally to your site, and are accelerated via caches created by Google and others. Plus, work with our Google Support team to launch your AMPed recipes before this is open to the public.

"This exercise of AMP'ing our content was beneficial to scrutinize every aspect of our pages and make intentional choices about what to show users" --Food Network



## AMP Roadmap

The AMP roadmap is the result of **ongoing collaboration** with the ecosystem to bring new features to AMP to support your unique content





#### Currently supported

- 40+ ad vendors
- 20+ analytics vendors
- ~10 video embed vendors
- Numerous format components, including key recipe features like the image carousel and lightbox

### Key features on the roadmap

- Carousel + lightbox enhancements
- Forms (add item to shopping list, mailing list signup, search)

#### Potential areas for exploration

- Comments
- Tabbed sections
- Flexbox layout
- Search autocomplete
- Filter search results
- Star ratings



