GPT chatbot
Une implémentation commerciale concrète et viable!

Jérôme Bédard

Scientifique appliqué, développeur en Machine Learning

Septembre 2023

Agenda

1. Introduction à Coveo

   Qui sommes-nous? Que fait-on?

2. Blitz 2024

   La compétition de programmation la plus cool au monde.

3. Démonstration de notre tout nouveau modèle de “Relevance Generative Answering”

   Modèle de “Natural Language Processing” basé sur GPT.

Historique de Coveo

Fondé à **Québec**

2005

Spin-off de Copernic

Ouverture des bureaux de **Montréal** et rénovations des bureaux de **Québec**

2017

Investissement de **100M$**

2018

Première ronde de financement majeure

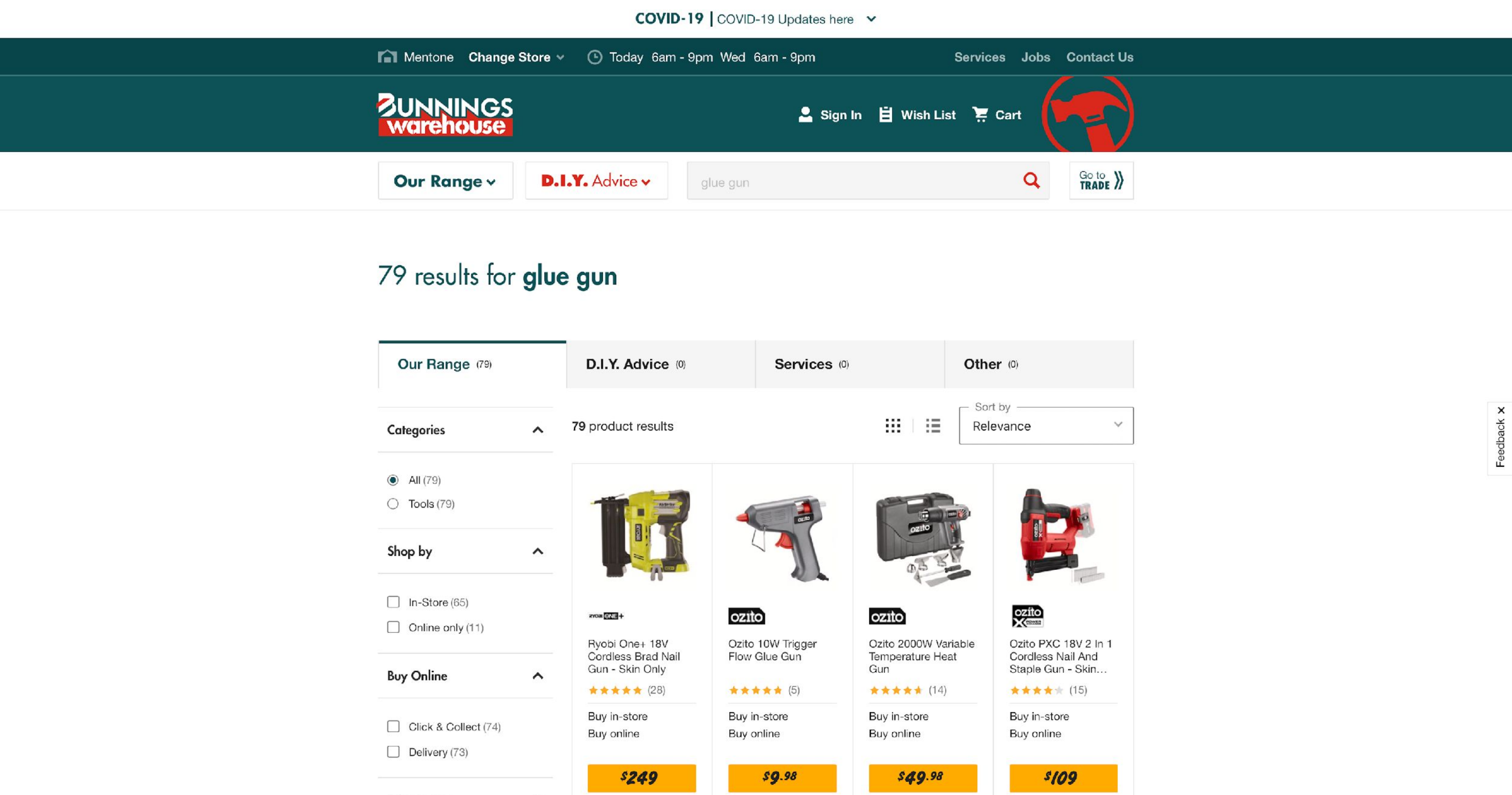
Rénovation des bureaux de **Montréal**, Ronde de financement de **227M$**

2019

Deuxième plus importante ronde de financement en tech de l'histoire du Canada !

IPO Financement de **243M$**

2021


COVID-19 | COVID-19 Updates here
Mentone
Change Store
Today 6am - 9pm Wed 6am - 9pm
Services
Jobs
Contact Us
BUNNINGS warehouse
Sign In
Wish List
Cart
Our Range
D.I.Y. Advice
glue gun
Go to TRADE
Feedback

79 results for **glue gun**

Our Range (79)
D.I.Y. Advice (0)
Services (0)
Other (0)
Categories
Shop by
Buy Online
Price Range
Sort by
Relevance

○ All (79)
○ Tools (79)

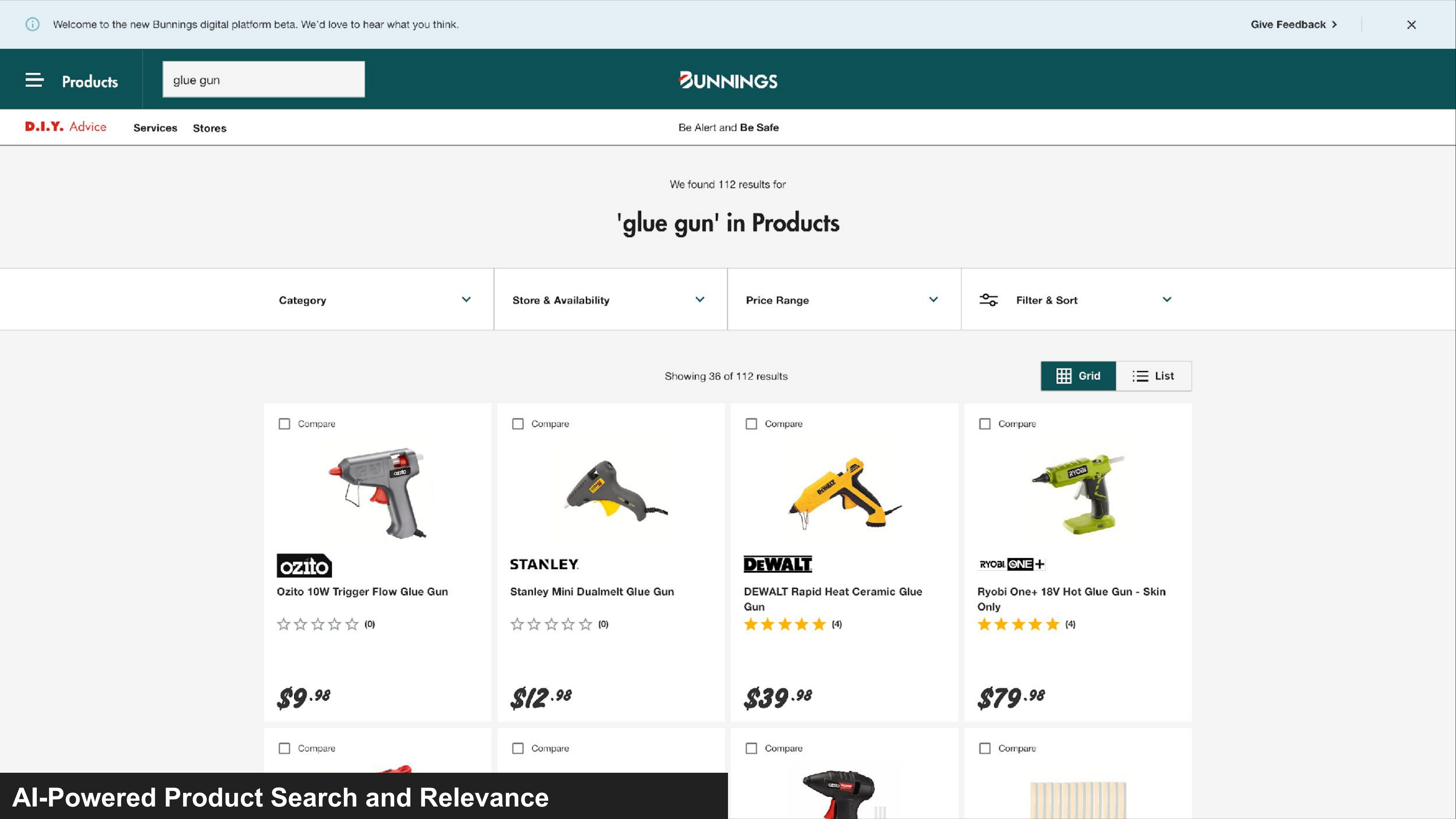
☐ In-Store (65)
☐ Online only (11)

☐ Click & Collect (74)
☐ Delivery (73)

79 product results

Product	Rating	Availability	Price
Ryobi One+ 18V Cordless Brad Nail Gun - Skin Only	★★★★★ (28)	Buy in-store Buy online	$249
Ozito 10W Trigger Flow Glue Gun	★★★★★ (5)	Buy in-store Buy online	$9.98
Ozito 2000W Variable Temperature Heat Gun	★★★★★ (14)	Buy in-store Buy online	$49.98
Ozito PXC 18V 2 In 1 Cordless Nail And Staple Gun - Skin…	★★★★☆ (15)	Buy in-store Buy online	$109

Legacy Keyword Search – Nail Gun <> Glue Gun



Welcome to the new Bunnings digital platform beta. We'd love to hear what you think.

Give Feedback >

Products

glue gun

BUNNINGS

D.I.Y. Advice Services Stores

Be Alert and **Be Safe**

We found 112 results for

'glue gun' in Products

Category

Store & Availability

Price Range

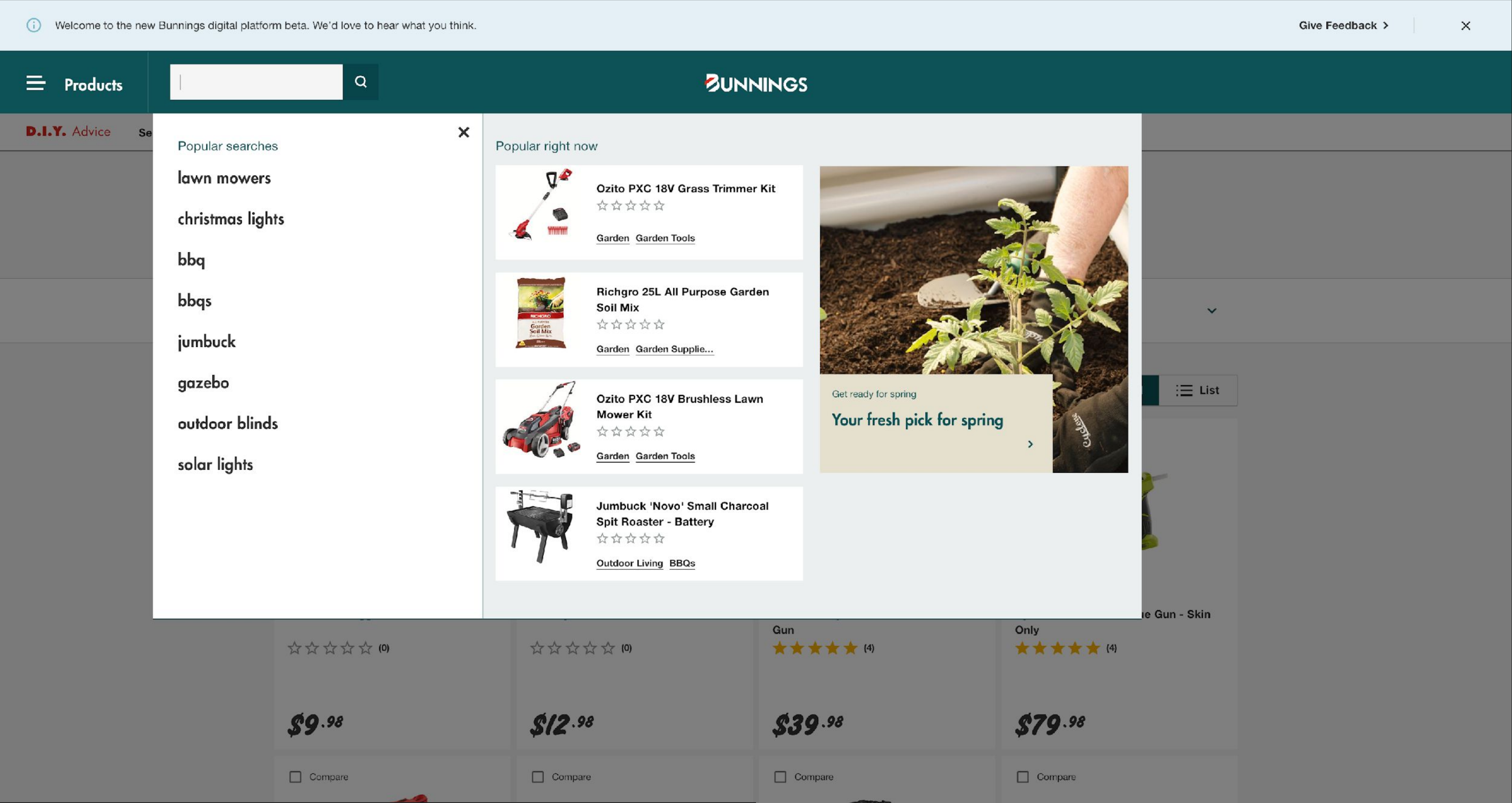
Filter & Sort

Showing 36 of 112 results

Grid List

☐ Compare	☐ Compare	☐ Compare	☐ Compare
ozito	STANLEY	DEWALT	RYOBI ONE+
Ozito 10W Trigger Flow Glue Gun	Stanley Mini Dualmelt Glue Gun	DEWALT Rapid Heat Ceramic Glue Gun	Ryobi One+ 18V Hot Glue Gun - Skin Only
☆☆☆☆☆ (0)	☆☆☆☆☆ (0)	★★★★★ (4)	★★★★★ (4)
$9.98	$12.98	$39.98	$79.98
☐ Compare	☐ Compare	☐ Compare	☐ Compare

AI-Powered Product Search and Relevance



Welcome to the new Bunnings digital platform beta. We'd love to hear what you think.

Popular searches

- lawn mowers
- christmas lights
- bbq
- bbqs
- jumbuck
- gazebo
- outdoor blinds
- solar lights

Popular right now

Ozito PXC 18V Grass Trimmer Kit
☆☆☆☆☆
Garden Garden Tools

Richgro 25L All Purpose Garden Soil Mix
☆☆☆☆☆
Garden Garden Supplie...

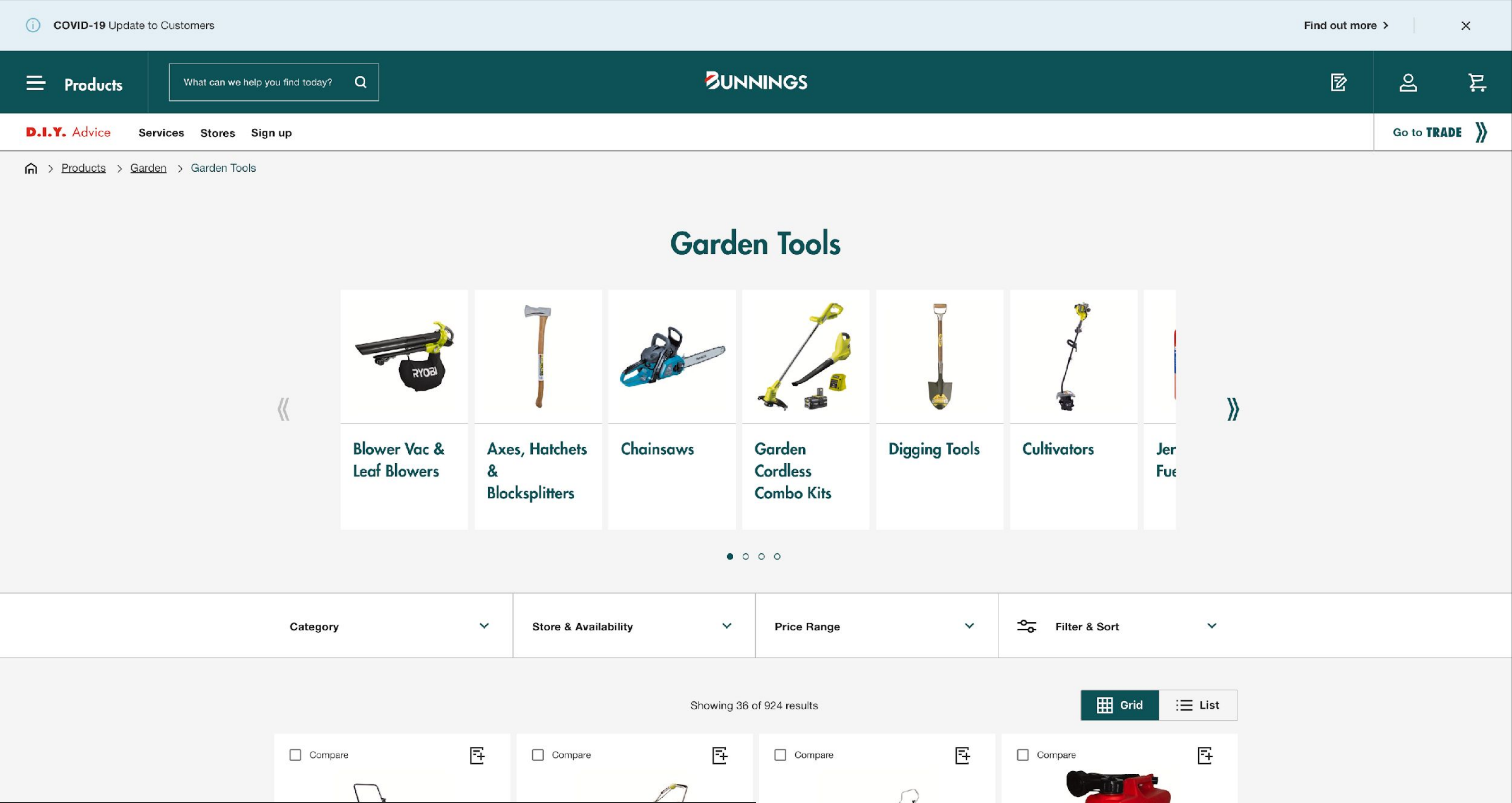
Ozito PXC 18V Brushless Lawn Mower Kit
☆☆☆☆☆
Garden Garden Tools

Jumbuck 'Novo' Small Charcoal Spit Roaster - Battery
☆☆☆☆☆
Outdoor Living BBQs

Get ready for spring
Your fresh pick for spring ›

		Gun	e Gun - Skin Only
☆☆☆☆☆ (0)	☆☆☆☆☆ (0)	★★★★★ (4)	★★★★★ (4)
$9.98	$12.98	$39.98	$79.98
☐ Compare	☐ Compare	☐ Compare	☐ Compare

AI-Powered Query and Product Suggestions

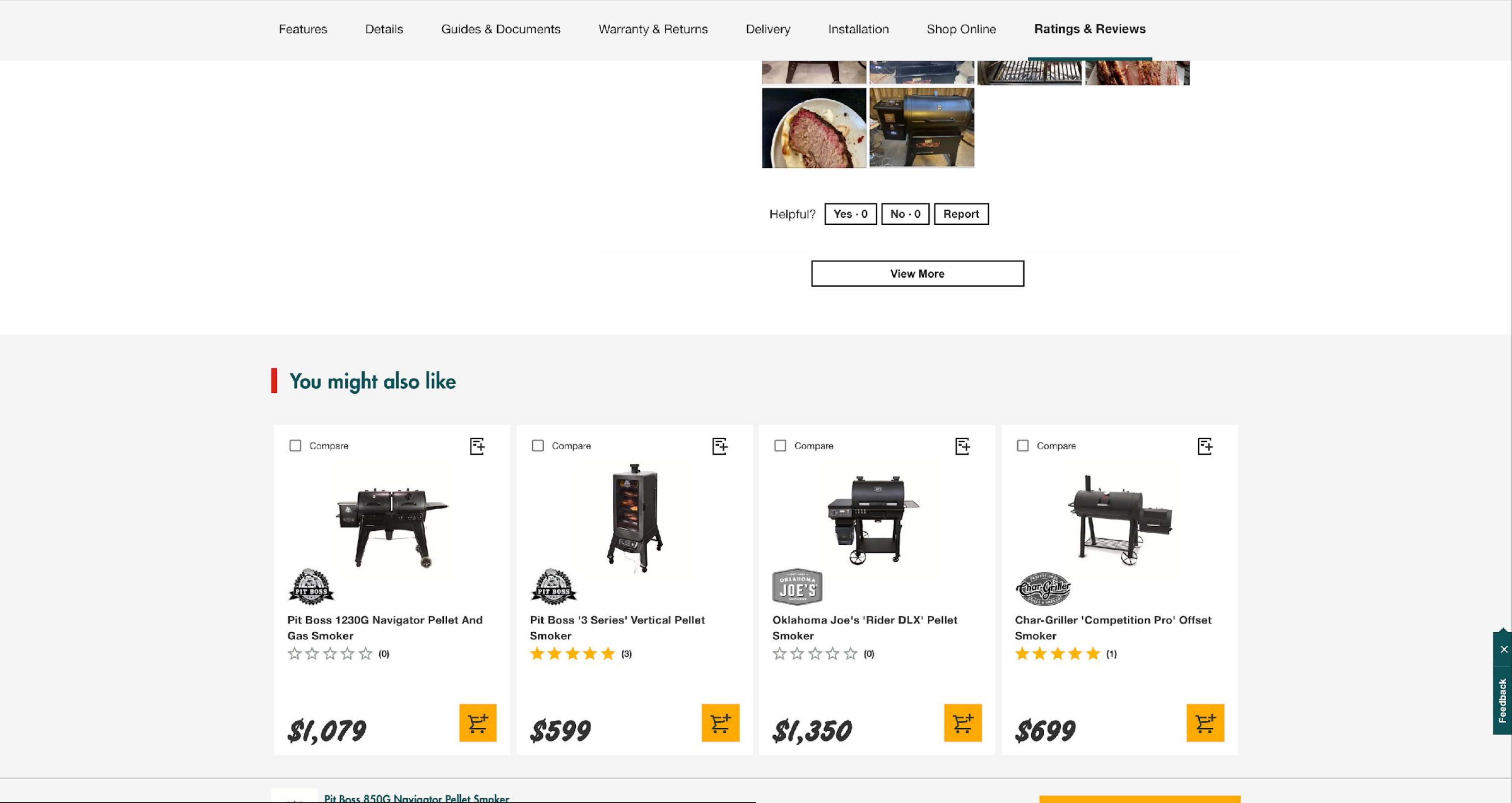

COVID-19 Update to Customers
Find out more >
Products
What can we help you find today?
BUNNINGS
D.I.Y. Advice
Services
Stores
Sign up
Go to TRADE
Products > Garden > Garden Tools

Garden Tools

Blower Vac & Leaf Blowers
Axes, Hatchets & Blocksplitters
Chainsaws
Garden Cordless Combo Kits
Digging Tools
Cultivators
Jer
Fue
RYOBI
Category
Store & Availability
Price Range
Filter & Sort
Grid
List
Compare
Compare
Compare
Compare

Showing 36 of 924 results

Dynamic Category Page



Features Details Guides & Documents Warranty & Returns Delivery Installation Shop Online **Ratings & Reviews**

Helpful? Yes · 0 No · 0 Report

View More

You might also like

☐ Compare

Pit Boss 1230G Navigator Pellet And Gas Smoker

☆☆☆☆☆ (0)

$1,079

☐ Compare

Pit Boss '3 Series' Vertical Pellet Smoker

★★★★★ (3)

$599

☐ Compare

Oklahoma Joe's 'Rider DLX' Pellet Smoker

☆☆☆☆☆ (0)

$1,350

☐ Compare

Char-Griller 'Competition Pro' Offset Smoker

★★★★★ (1)

$699

Pit Boss 850G Navigator Pellet Smoker

Add to Cart

Product Recommendations

En bref...

Fondé à Québec

Près de 800 employés

270 employés en R&D

50+ stagiaires par année

+1800 implantations

+150 connecteurs

1 changement en prod au 21 minutes

Des employés basés à Qc, Mtl, SF, Londres, +

amazon web services

Java™

snowflake

HashiCorp Terraform

docker

GitHub

.NET Core

spring®

Scala

jura®

python™

kibana

TypeScript

LaunchDarkly

Morphsuits
Morphsuits
Morphsuits

coveo™

On embauche!

Coveo
Relevance Generative Answering

Changement de **paradigme** dans le monde des engins de recherche

Recherche par mots clés → Question explicite

Recherche par mots clés traditionnelle

– FOR INTERNAL USE ONLY

Monde de la recherche 2.0

Je commence mes études universitaires en génie informatique. J’ai besoin de m’acheter un laptop pour faire de la programmation dans plusieurs langages et installer une multitude de logiciels et d’environnements virtuels n’ayant pas toujours une distribution éprouvée. Mon budget est de 1500$. Quel laptop me recommandez-vous? Quel système d’exploitation devrais-je utiliser?

– FOR INTERNAL USE ONLY

GPT Chatbots traditionnels

5 problèmes dans
un contexte
commercial

GPT Chatbots traditionnels

5 problèmes dans un contexte commercial

1. Sources multiples, parfois contradictoires.

GPT Chatbots traditionnels

5 problèmes dans un contexte commercial

1. Sources multiples, parfois contradictoires.
2. Sécurité des données, contenu privé.

GPT Chatbots traditionnels

5 problèmes dans un contexte commercial

1. Sources multiples, parfois contradictoires.
2. Sécurité des données, contenu privé.
3. Exactitude, “AI hallucinations”, constance et cohérence.

GPT Chatbots traditionnels

5 problèmes dans un contexte commercial

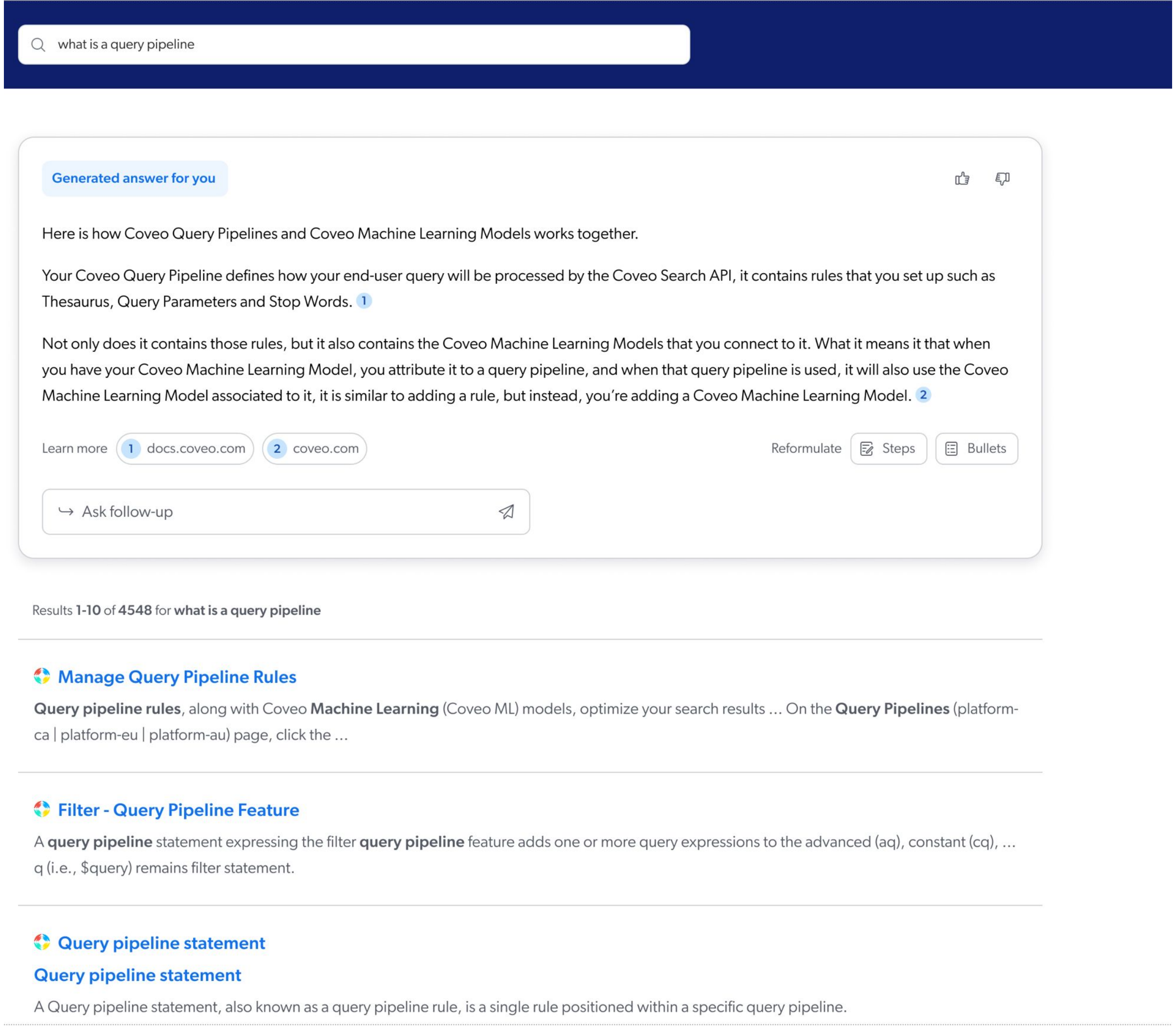
1. Sources multiples, parfois contradictoires.
2. Sécurité des données, contenu privé.
3. Exactitude, “AI hallucinations”, constance et cohérence.
4. Vérifiabilité, sources.

GPT Chatbots traditionnels

5 problèmes dans un contexte commercial

1. Sources multiples, parfois contradictoires.
2. Sécurité des données, contenu privé.
3. Exactitude, “AI hallucinations”, constance et cohérence.
4. Vérifiabilité, sources.
5. Coûts $$$$$$$$$$$$$

Relevance Generative Answering



Here is how Coveo Query Pipelines and Coveo Machine Learning Models works together.

Your Coveo Query Pipeline defines how your end-user query will be processed by the Coveo Search API, it contains rules that you set up such as Thesaurus, Query Parameters and Stop Words. [1]

Not only does it contains those rules, but it also contains the Coveo Machine Learning Models that you connect to it. What it means it that when you have your Coveo Machine Learning Model, you attribute it to a query pipeline, and when that query pipeline is used, it will also use the Coveo Machine Learning Model associated to it, it is similar to adding a rule, but instead, you're adding a Coveo Machine Learning Model. [2]

Results **1-10** of **4548** for **what is a query pipeline**

Manage Query Pipeline Rules

Query pipeline rules, along with Coveo **Machine Learning** (Coveo ML) models, optimize your search results … On the **Query Pipelines** (platform-ca | platform-eu | platform-au) page, click the …

Filter - Query Pipeline Feature

A **query pipeline** statement expressing the filter **query pipeline** feature adds one or more query expressions to the advanced (aq), constant (cq), … q (i.e., $query) remains filter statement.

Query pipeline statement

Query pipeline statement

A Query pipeline statement, also known as a query pipeline rule, is a single rule positioned within a specific query pipeline.

Demonstration

Link to the demo:

http://localhost:8000/D%26D_GenAI.html coveo™