

Artificial Intelligence (AI) Discovery and Detection Tools 2024

By

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Artificial Intelligence (AI) Discovery and Detection Tools is a comprehensive list of competent artificial intelligence discovery resources that are currently available on the Internet. The below list of sources is partially taken from my Subject Tracer™ and white paper titled 2024 Artificial Intelligence (AI) MiniGuide and is constantly updated with Subject Tracer™ bots at the following URL:

<http://www.AIDiscoveryTools.com/>

These resources and sources will help you to discover the many pathways available to you through the Internet to find the latest competent AI discovery resources and sites.

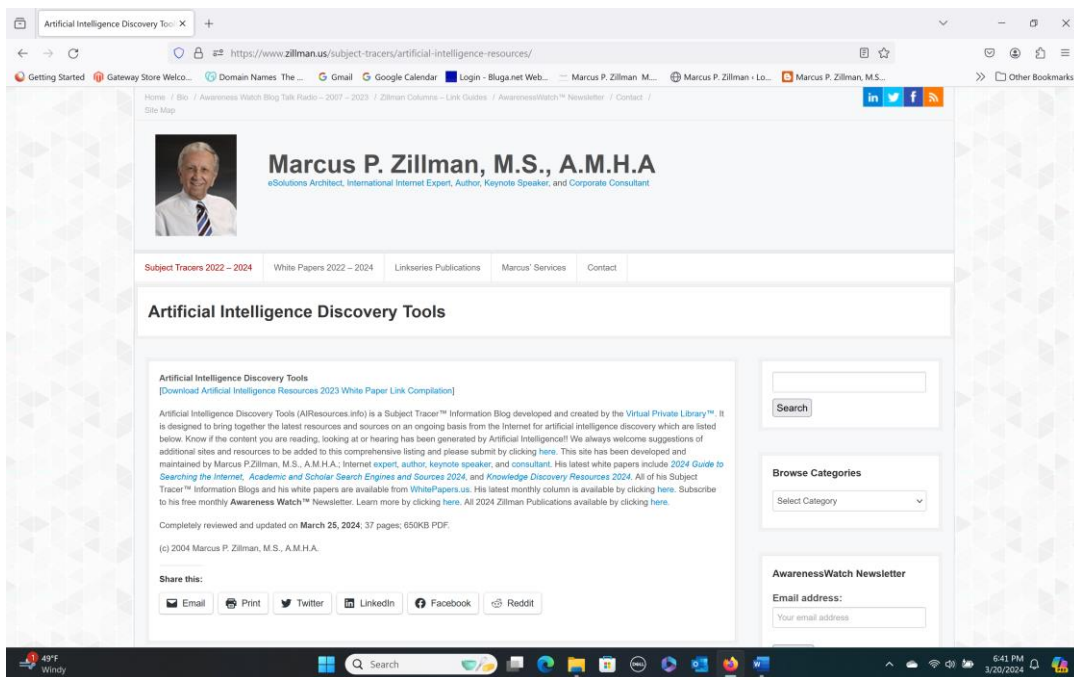


Figure 1: Artificial Intelligence Discovery and Detection Tools 2024

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Artificial Intelligence (AI) Discovery and Detection Tools 2024
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Artificial Intelligence (AI) Discovery and Detection Tools:

The rapid advancement of artificial intelligence (AI) has led to the creation of content that is increasingly difficult to distinguish from that produced by humans. This includes text, images, audio, and video. The ability to determine whether such content is AI-generated is crucial for maintaining authenticity, protecting intellectual property, and preventing the spread of misinformation. Various tools and techniques have been developed to assist in this detection process, leveraging machine learning algorithms, pattern recognition, and metadata analysis.

Content Detection Process

- **AI Content Detection Tools:** These tools analyze perplexity and burstiness in text to distinguish between AI-generated and human-written content

.Characteristics of AI Texts: AI-generated content tends to be more predictable, generic, and uniform in word choice and sentence structure compared to human writing

Plagiarism Detection: Plagiarism detection tools compare texts against existing databases to identify similarities and ensure originality

Image Detection

- **AI Image Classification Services:** Platforms like AI or Not offer advanced AI image classification services to detect AI-generated images and verify uthenticity

Detection Methods: Techniques like invisible watermarks and metadata embedded within image files are used to identify AI-generated images

Audio Detection

- **AI Audio Detection:** Tools like AI or Not can determine if audio content is created by AI or a human, with a maximum file size and duration limit for analysis



Text Detection

- **AI Text Detection:** Content detectors analyze text using machine learning and natural language processing techniques to differentiate between AI-generated and human-written text

Plagiarism Checkers: Platforms like Originality.ai provide accurate plagiarism detection for ensuring content authenticity and originality

Conclusion

In conclusion, the process of determining if content, images, audio, and text are created by AI involves utilizing specialized tools that analyze various characteristics unique to AI-generated content. By understanding the nuances of AI writing patterns, image classification methods, audio analysis techniques, and plagiarism detection algorithms, individuals can effectively verify the authenticity of digital content in an era where AI technologies are increasingly prevalent.

The detection of AI-generated content is a multi-faceted process that involves the use of specialized tools and manual inspection techniques. As AI technology continues to evolve, so too must the methods for identifying and verifying the authenticity of content. It is essential to use a combination of tools and human judgment to achieve the most accurate results. The development of industry standards and the continuous improvement of detection algorithms will play a critical role in maintaining digital trust and authenticity [1][2][3][5][6][8][9][12][15][17][18][19][20].

Citations:

[1] <https://copyleaks.com/ai-content-detector>

[2] <https://www.aiornot.com>

[3] <https://aivoicedetector.com/blogs/how-to-verify-if-an-audio-is-generated-by-ai>

[4] <https://www.webfx.com/blog/content-marketing/how-to-detect-ai-content/>

[5] <https://www.androidpolice.com/identify-ai-generated-images-how-to/>

[6] <https://isitai.com/understanding-the-limitations-and-challenges-of-detecting-ai-generated-audio-and-video/>



- [7] <https://www.forbes.com/sites/bernardmarr/2023/05/25/how-can-you-detect-if-content-was-created-by-chatgpt-and-other-ais/?sh=58dba086710b>
- [8] <https://tech.co/news/ways-detect-ai-images-examples>
- [9] <https://deepgram.com/ai-apps/ai-voice-detector>
- [10] <https://clickup.com/blog/ai-detection-tools/>
- [11] <https://www.forbes.com/sites/barrycollins/2023/10/14/ai-or-not-how-to-detect-if-an-image-is-ai-generated/?sh=2861fc263254>
- [12] <https://play.ht/voice-classifier-detect-ai-voices/>
- [13] <https://www.semrush.com/blog/how-to-detect-ai-written-content-and-plagiarism/>
- [14] <https://about.fb.com/news/2024/02/labeling-ai-generated-images-on-facebook-instagram-and-threads/>
- [15] <https://www.technologyreview.com/2022/12/19/1065596/how-to-spot-ai-generated-text/>
- [16] <https://www.stockphotosecrets.com/buyers-guide/identify-ai-generated-images.html>
- [17] <https://kinsta.com/blog/ai-content-detection/>
- [18] <https://isitai.com/ai-image-detector/>
- [19] <https://originality.ai/blog/how-to-detect-ai-generated-articles>
- [20] <https://www.zdnet.com/article/googles-new-tool-can-detect-ai-generated-images-but-its-not-that-simple/>

Additional AI Discovery and Detection Resources:

The top AI detection and discovery tools in 2024 include:

1. Winston AI: Leading AI detector with a 99.6% accuracy rate, supporting various formats and languages[2].

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2. Originality.ai: State-of-the-art tool with 99% AI content detection accuracy, specializing in identifying paraphrase plagiarism and supporting multiple languages[2].
3. GPTZero: A popular AI detection tool for distinguishing between human-written and AI-generated content[2].
4. ZeroGPT: An easy-to-use AI content detector with a 98% accuracy rate and batch-upload capabilities[1].
5. Sapling: An AI tool designed for sales and support teams, providing fast and accurate responses[5].
6. Writer: A comprehensive AI detection tool for verifying content authenticity and originality[2].
7. Copyleaks: A three-in-one tool featuring an AI content detector, plagiarism checker, and AI content grader, used by reputable organizations[5].
8. Crossplag: Offers an AI detection feature with a simple interface but lacks detailed insights into detection results[5].

These tools cater to various needs such as plagiarism checking, content verification, and authenticity assessment in the digital age of AI-generated content[2][5].

Citations:

[1] <https://www.feedough.com/startup-resources/the-8-best-ai-detection-tools/>

[2] <https://linkub.io/blog/ai-detection-tools/>

[3] <https://www.g2.com/categories/ai-content-detectors>

[4] <https://aitoolsdirectory.com>

[5] <https://www.lucianoviterale.com/blog/software-reviews/best-ai-content-detection-tools/>

[6] AI Content Detector Accuracy Review + Open Source Dataset and Research Tool
<https://originality.ai/blog/ai-content-detection-accuracy>



Additional Artificial Intelligence (AI) Discovery and Detection Tools, Resources and Sources:

5 Best AI Content Detectors

<https://readwrite.com/5-best-ai-content-detectors/>

7 Best AI Content Detection Tools (Free & Paid)

<https://www.lucianoviterale.com/blog/software-reviews/best-ai-content-detection-tools/>

8 Best AI Detection Tools

<https://www.feedough.com/startup-resources/the-8-best-ai-detection-tools/>

13 Best AI Detection Tools in 2024

<https://linkub.io/blog/ai-detection-tools/>

AI Content Detector Accuracy Review + Open Source Dataset and Research Tool

<https://originality.ai/blog/ai-content-detection-accuracy>

AI Detection by Modality: Images, Audio, Video and Text

<https://www.aiornot.com/blog/ai-detection-images-audio-video-text>

AI or Not

<https://www.aiornot.com/>

AI Plagiarism Considerations Part 1: AI Plagiarism Detectors

<https://aiedusimplified.substack.com/p/ai-plagiarism-considerations-part>

AI Risk Repository – What Are the Risks from Artificial Intelligence

<https://airisk.mit.edu/>

Copyleaks – AI Based Plagiarism and AI Content Detection

<https://www.CopyLeaks.com/>

Detecting Hallucinations in Large Language Models Using Semantic Entropy

<https://www.nature.com/articles/s41586-024-07421-0>

Do Teachers Spot AI? Evaluating the Detectability of AI-Generated Texts Among Student Essays

<https://www.sciencedirect.com/science/article/pii/S2666920X24000109>

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GPTZero – The Trusted AI Detector for ChatGPT and More ...

<https://www.GPTZero.me/>

How to Detect AI-Written Content and Plagiarism

<https://www.semrush.com/blog/how-to-detect-ai-written-content-and-plagiarism/>

How to Tell if Something is Written by ChatGPT

<https://www.entrepreneur.com/science-technology/how-to-tell-if-something-is-written-by-chatgpt/472393>

Has Your Paper Been Used to Train an AI Model? Almost Certainly

<https://www.nature.com/articles/d41586-024-02599-9>

Labeling AI-Generated Images on Facebook, Instagram and Threads

<https://about.fb.com/news/2024/02/labeling-ai-generated-images-on-facebook-instagram-and-threads/>

Media Bias Detector – Analyzes News Reports in Real Time Using AI

<https://knowledge.wharton.upenn.edu/article/this-media-bias-detector-analyzes-top-news-reports-in-real-time/>

Originality – AI Plagiarism and Fact Checker

<https://www.Originality.ai/>

Practical Guide to Identifying Machine-Written Content

<https://www.digitaldigging.org/p/practical-guide-to-identifying-machine>

Prompt Catalog 2024 for Artificial Intelligence

<http://www.PromptCatalog.ai/>

The Most Trusted AI Detector – ChatGPT Detection Tool

<https://gowinston.ai/>

The Telltale Words That Could Identify Generative AI Text

<https://arstechnica.com/ai/2024/07/the-telltale-words-that-could-identify-generative-ai-text/>

Top 10 Tools for Detecting ChatGPT, GPT-4, Bard and Claude

<https://www.kdnuggets.com/2023/05/top-10-tools-detecting-chatgpt-gpt4-bard-llms.html>

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Turnitin.com

<https://www.turnitin.com/>

Undetectable.ai

<http://www.undetectable.ai/>

Using OSINT to Identify AI-Generated Content

<https://www.authentic8.com/>

Winston – Industry Leading Content Detection Tool

<https://www.gowinston.ai/>

Writer – Full-stack Generative AI Platform

<https://writer.com/>

ZeroGPT – Highly Advanced ChatGPT and AI Detection Tool

<https://www.zerogpt.com/>

2024 Artificial Intelligence (AI) MiniGuide:

22 Experts Predict How Artificial Intelligence Will Impact the Enterprise Workplace by Rakesh Reddy

<http://acuvate.com/blog/22-experts-predict-artificial-intelligence-impact-enterprise-workplace/>

3 Machine Learning Algorithms You Need to Know by Eleni Markou

<https://dzone.com/articles/3-machine-learning-algorithms-you-need-to-know>

4 Ways Artificial Intelligence Will Change Just About Everything

<http://www.business2community.com/brandviews/salesforce/4-ways-artificial-intelligence-will-change-just-everything-01622417#7BUdk8QzRw1xYIcD.97>

5 Free Courses for Getting Started in Artificial Intelligence

<https://www.kdnuggets.com/2017/02/5-free-courses-getting-started-artificial-intelligence.html>

6 AI-Powered Tools All Entrepreneurs Need To Run Their Business by Artur Kiolian

<https://www.entrepreneur.com/article/298628>

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7 Factors Driving the Artificial Intelligence Revolution

<http://singularityhub.com/2016/08/29/7-factors-driving-the-artificial-intelligence-revolution/>

8 AI and Data Science Buzzwords Marketers Need To Know Now by Tim Hoolihan

<http://www.business2community.com/marketing/8-ai-data-science-buzzwords-marketers-need-know-now-01929856#mM0gro7kq56uLUYu.97>

10 Successful Applications Of AI In Business

<https://www.forbes.com/sites/williamfalcon/2018/07/31/10-successful-applications-of-ai-in-business/>

12 AI Quotes Everyone Should Read by Bernard Marr

<https://www.forbes.com/sites/bernardmarr/2017/09/22/12-ai-quotes-everyone-should-read/>

14 Incredible Artificial Intelligence Pioneers Everyone Should Know About

<https://www.forbes.com/sites/bernardmarr/2018/07/09/14-incredible-artificial-intelligence-pioneers-everyone-should-know-about/>

25 Excellent Machine Learning Open Datasets

<https://opendatascience.com/25-excellent-machine-learning-open-datasets/>

30 Free Resources for Machine Learning, Deep Learning, NLP and AI

<https://www.kdnuggets.com/2018/06/30-free-resources-machine-learning-deep-learning-nlp-ai.html>

100 Top Artificial Companies (AI) in 2023

<https://www.datamation.com/featured/ai-companies/>

2022/2023 Guide to Finding Experts by Using the Internet

<http://www.FindingExperts.info/>

2022/2023 Guide to Finding People Resources and Sites

<http://www.FindingPeople.info/>

2022/2023 Guide to Internet Privacy Resources and Tools

<http://www.2022InternetPrivacy.com/>



2023 MiniGuides Series and 2024 Publications by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.Miniguides.com/>

<http://www.ZillmanPublications.com/>

2024 Directory of Directories

<http://www.2024DirectoryOfDirectories.com/>

2024 Green Files

<http://www.GreenFiles.info/>

2024 Guide to Searching the Internet

<http://www.SearchingTheInternet.info/>

2024 New Economy Resources

<http://www.2023NewEconomy.com/>

2024 Reference Resources

<http://www.2024ReferenceResources.info/>

Abacus AI

<https://www.Abacus.ai/>

A Beginner's Guide to AI: Algorithms

<https://thenextweb.com/artificial-intelligence/2018/08/02/a-beginners-guide-to-ai-algorithms/>

About Intelligence

<http://www.aboutintelligence.co.uk/>

Adaptive Artificial Intelligence

<http://adaptiveai.com/>

A Human's Guide to Machine Intelligence by Kartik Hosanagar

<https://wdp.wharton.upenn.edu/book/a-humans-guide-to-machine-intelligence/>

AI2 - Allen Institute for Artificial Intelligence – AI for the Common Good

<http://allenai.org/>



AI Genealogy Project

<http://content.iospress.com/articles/ai-communications/aic371>

AI Impacts

<http://aiimpacts.org/>

AI is Now the Best Friend IT Ever Had by Abbas Haider Ali

<https://venturebeat.com/2017/04/08/ai-is-now-the-best-friend-it-ever-had/>

AI Knowledge Map: How To Classify AI Technologies

<https://www.forbes.com/sites/cognitiveworld/2018/08/22/ai-knowledge-map-how-to-classify-ai-technologies/>

AI Now Institute

<https://ainowinstitute.org/>

AI Predicts Side Effects for Millions of Drug Combos

<https://www.futurity.org/artificial-intelligence-drug-combinations-1808212/>

AI Repositories and Resource Lists

<http://www.cs.cmu.edu/afs/cs.cmu.edu/project/ai-repository/ai/html/other/repositories.html>

AI Resources

<http://AIResources.org/>

AI Resources – Association for the Advancement of Artificial Intelligence

<http://www.aaai.org/Resources/resources.php>

AI Resources – IEEE Computer Society

<https://www.computer.org/resources/ai-resources>

AISB - The Society for the Study of Artificial Intelligence and the Simulation of Behaviour

<http://www.aisb.org.uk/>

AI Topics – Official Publication of the AAI

<http://aitopics.org/>



AI Weekly by Essentials

<http://aiweekly.co/>

Alan Turing Institute Provides AI Startups with Opportunity to Collaborate with Researchers

<https://www.computerweekly.com/news/252447070/Alan-Turing-Institute-provides-AI-startups-with-opportunity-to-collaborate-with-researchers>

Algorithm Beats Humans for Sniffing Out Fake News

<https://www.futurity.org/fake-news-detecting-algorithm-1844942/>

Algorithm Watch

<https://algorithmwatch.org/>

Algorithmia and DataRobot Enabling AI In Every Application

<https://algorithmia.com/>

Algorithms, Automation and News – Neil Thurman Blog

<http://www.algorithmic.news/>

American Association for Artificial Intelligence (AAAI)

<http://www.aaai.org/>

Amzi!

<http://www.amzi.com/>

An Absolute Beginner's Guide To Machine Learning, Deep Learning and AI

<https://www.techinasia.com/ai-machine-deep-learning>

An AI Lab in a Library

<https://americanlibrariesmagazine.org/blogs/the-scoop/ai-lab-library/>

An Executive's Guide to AI

<https://www.mckinsey.com/business-functions/mckinsey-analytics/our-insights/an-executives-guide-to-ai>

api.ai – DialogFlow Speech Interface for Apps and Devices

<http://api.ai/>



Applied Soft Computing Journal

<http://www.sciencedirect.com/science/journal/15684946>

Appreciative Inquiry (AI) Commons

<http://appreciativeinquiry.case.edu/>

Aristo – Build Machines that Read, Learn and Reason

<https://allenai.org/aristo/>

Artificial General Intelligence Is Here, and Impala Is Its Name - ExtremeTech

<https://www.extremetech.com/extreme/275768-artificial-general-intelligence-is-here-and-impala-is-its-name>

Artificial Intelligence: A Modern Approach 4th US ed.

<http://aima.cs.berkeley.edu/>

Artificial Intelligence and Future Scenarios

<https://frankdiana.net/2016/08/03/artificial-intelligence-and-future-scenarios/>

Artificial Intelligence (AI) Discovery Tools 2024

<http://www.AIDiscoveryTools.com/>

Artificial Intelligence – Game Changing AI Innovations

<https://www.accenture.com/us-en/artificial-intelligence-index>

Artificial Intelligence Graduate Certificate

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=1226717>

Artificial Intelligence Markup Language (AIML)

<https://en.wikipedia.org/wiki/AIML>

Artificial Intelligence Podcast

<https://future.a16z.com/podcasts/what-is-artificial-intelligence/>

Artificial Intelligence Resources 2023/2024

<http://www.AIResources.info/>

Artificial Intelligence vs Machine Learning vs Deep Learning by Dawn Parzych

<https://dzone.com/articles/the-differences-between-ai-and-ml>



Artificial Intelligence – Wikipedia

https://en.wikipedia.org/wiki/Artificial_intelligence

Artificial Intelligence Will Speak Its Own Language – Soon

<https://medium.com/@ScienceEditor/artificial-intelligence-will-speak-its-own-language-soon-411eb13a1aeb>

Artificially Intelligent: A Brief Glossary of the Ideas Behind AI

<http://www.cnet.com/news/artificially-intelligent-a-brief-glossary-of-the-ideas-behind-ai/>

Association for Uncertainty in Artificial Intelligence (AUAI)

<http://www.auai.org/>

Auditing Algorithms: Adding Accountability to Automated Authority

<http://auditingalgorithms.science/>

Augmented Data Discovery Resources 2024

http://whitepapers.virtualprivatelibrary.net/Augmented_Data_Discovery.pdf

<http://www.AugmentedDataDiscovery.com/>

AutoStitch - A New Dimension In Automatic Image Stitching

<http://cs.bath.ac.uk/brown/autostitch/autostitch.html>

A Visual Introduction to Machine Learning

<http://www.r2d3.us/visual-intro-to-machine-learning-part-1>

Awesome Machine Learning for Cyber Security

<https://github.com/jivoi/awesome-ml-for-cybersecurity>

Beautiful AI - Fresh Way To Build Presentations

<https://www.beautiful.ai/>

Benchmarking CrunchBases's Top 25 Artificial Intelligence Startups

<http://www.forbes.com/sites/louiscolumbus/2016/06/22/benchmarking-crunchbases-top-25-artificial-intelligence-startups/#3932225a69fd>

Bibliographies on Artificial Intelligence

<http://iinwww.ira.uka.de/bibliography/Ai/>



Blurprint for an AI Bill of Rights

<https://www.whitehouse.gov/ostp/ai-bill-of-rights/>

Bot and Intelligent Agent Research Resources 2023

<http://www.BotResearch.info/>

<http://www.2023BotMiniGuide.com/>

BRAIN: Broad Research in Artificial Intelligence and Neuroscience

<http://brain.edusoft.ro/index.php/brain>

Caffe - Deep Learning Framework

<http://caffe.berkeleyvision.org/>

Caffe2 – New Lightweight, Modular, and Scalable Deep Learning Framework

<https://caffe2.ai/>

Canada Sets Up \$93 Million Fund To Promote Artificial Intelligence In Its Academies

<http://www.nearshoreamericas.com/canada-fund-promote-artificial-intelligence/>

CGAL - Computational Geometry Algorithms Library

<http://www.cgal.org/>

Char-RNN

<https://github.com/karpathy/char-rnn>

ChatGPT

<https://chat.openai.com/>

ChatterBots 2023

<http://www.ChatterBots.info/>

<http://www.2023ChatterBotsMiniGuide.com/>

Choosing the Right Estimator for Machine Learning Problems

http://scikit-learn.org/stable/tutorial/machine_learning_map/

Cloud AutoML Alpha

<https://cloud.google.com/automl/>



Clouderizer - Democratizing Deep Learning

<https://clouderizer.com/>

Coda – Cloud-Based Document Editor

<https://coda.io/>

CognitiveScale® - Augmented Intelligence Primer

<https://www.cognitivescale.com/augmented-intelligence-you-can-trust/>

Colaboratory - Research Tool for Machine Learning and Research

<https://research.google.com/colaboratory/>

Comet - Supercharge Machine Learning

<https://www.comet.ml/>

Contus – Limitless Digital

<https://www.contus.com/>

Core ML - Integrate Machine Learning Models Into Your App

<https://developer.apple.com/documentation/coreml>

Cybernetics and Systems Analysis

<http://link.springer.com/journal/10559>

DAO Resources 2024 including NFT, MetaVerse, Mastodon, ChatGPT and GenerativeAI

<http://www.DAOResources.com/>

DAOstack – Building Collaborative Networks

<https://daostack.io/>

DARPA Pushes for AI That Can Explain its Decisions

<https://www.engadget.com/2018/07/23/darpa-third-wave-ai-support/>

DataRobot – Enabling the AI-Driven Enterprise

<http://www.datarobot.com/>



Data Mining Resources 2022/2023

<http://www.DataMiningResources.info/>

DatumBox – Machine Learning Framework

<http://www.datumbox.com/>

Decentralized Artificial Intelligence Alliance

<https://daia.foundation/>

Decentralized Finance and Neural Networks

<https://olportal.ai/>

Deep Learning Weekly

<http://deeplearningweekly.com/>

DeepMind - World Leader In Artificial Intelligence Research

<https://deepmind.com/>

Deep Web Research and Discovery Resources 2024

<http://www.DeepWeb.us/>

Dialogflow - Build Natural and Rich Conversational Experiences

<https://dialogflow.com/>

Digital Leaders - Leadership in a Digital Age

<https://digileaders.com/>

Distill - Dedicated To Clear Explanations of Machine Learning

<https://distill.pub/>

Dreams From Creativity Machines by Imagination Engines and Neural Network Pioneer Dr. Stephen Thaler

<http://www.Imagination-Engines.com/>

eBrevia – Contract Review and Data Extraction Powered by AI

<https://ebrevia.com/>

EdCast’s AI-Powered Knowledge Cloud

<https://www.edcast.com/>



Edinburgh University, Informatics and Artificial Intelligence
<http://www.ed.ac.uk/schools-departments/informatics/>

Ejenta - Intelligent Agents for Connected Care
<https://www.ejenta.com/>

Emerj – The AI Research and Advisory Company
<https://emerj.com/>

Encog – Encog Machine Learning Framework
<http://www.heatonresearch.com/encog>

Ethics and Governance of Artificial Intelligence
<https://cyber.harvard.edu/research/ai>

Evolutionary Intelligence
<http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/12065>

Executive’s Guide to Developing AI at Scale
<https://www.mckinsey.com/business-functions/mckinsey-analytics/our-insights/executives-guide-to-developing-ai-at-scale#intro>

Exploratory – Democratize Data Science
<https://exploratory.io/>

FacebookResearch> Library for Fast Text Representation and Classification
<https://github.com/facebookresearch/fastText>

Fairness, Accountability, and Transparency in Machine Learning (FAT ML)
<https://www.fatml.org/>

Fast.ai – Making Neural Nets Uncool Again
<http://www.fast.ai/>

Feng-GUI – Predictive Visual Analytics
<http://www.feng-gui.com/>

FloydHub Is Heroku for Deep Learning (DL)
<https://www.floydhub.com/>



Framsticks - Artificial Life - 3D Evolution and Simulation

<http://www.framsticks.com/>

Franz, Inc. Web 3.0's database

<http://www.franz.com/>

Free Online Directory of Computing (FOLDOC)

<http://www.foldoc.org/>

From Drug R&D To Diagnostics: 90+Artificial Intelligence Startups In Healthcare

<https://www.cbinsights.com/research/artificial-intelligence-startups-healthcare>

Generative AI

<https://generativeai.net/>

Generative AI Resources 2024

<http://www.GenerativeAIResources.com/>

Genus AI - Activate, Engage and Understand Your Customers

<https://genus.ai/>

Gnod – Global Network of Discovery

<http://www.gnod.net/>

Google AI Blog

<https://ai.googleblog.com/>

GROBID

<https://github.com/kermitt2/grobid>

GrowJo – Fastest Growing Companies Under 1000 Employees

<https://www.growjo.com/>

H2O.ai – Democratize AI

<https://www.h2o.ai/>

Hendrix - The No-Brainer Way To Have More Effective Meetings

<https://hendrix.ai/>



Heuristics and Artificial Intelligence in Finance and Investment [Book]

<http://aiinfinance.com/>

Hire the Top 3% of AI Engineers

<https://www.toptal.com/hire-ai-engineers>

How Is AI Used In Healthcare - 5 Powerful Real-World Examples That Show The Latest Advances

<https://www.forbes.com/sites/bernardmarr/2018/07/27/how-is-ai-used-in-healthcare-5-powerful-real-world-examples-that-show-the-latest-advances/>

How Machine Learning As a Service Is Transforming Cloud by Vljin Boricha

<https://hub.packtpub.com/how-machine-learning-as-a-service-transforming-cloud/>

How To Accelerate Value Creation Through Artificial Intelligence

<https://www.forbes.com/sites/peterbendorsamuel/2017/04/12/how-to-accelerate-value-creation-through-artificial-intelligence/>

How To Learn About The Future Of Artificial Intelligence And Work Without Leaving Your Office

<https://www.forbes.com/sites/laurencoleman/2018/07/17/how-to-learn-about-the-future-of-artificial-intelligence-and-work-without-leaving-your-office/>

Hulbee - Intelligent Answer Engine Swisscows

<https://hulbee.com/>

IBM Artificial Intelligence – Learn How To Operationize AI In Your Business

<https://www.ibm.com/watson/>

IBM Watson Blog

<https://www.ibm.com/blogs/watson/>

IBM Watson Services – IBM Watson Products and Solutions

<https://www.ibm.com/watson/products-services/>

Imagination-Engines

<http://www.Imagination-Engines.com/>

Import AI – Newsletter About AI Archives

<https://jack-clark.net/>



Index of Best AI/Machine Learning Resources

<https://hackernoon.com/index-of-best-ai-machine-learning-resources-71ba0c73e34d>

Institute for Human and Machine Cognition (IHMC)

<http://www.ihmc.us/>

Intelligence On Demand – Hybrid AI - Processing Data with Smart AI and Smart(er) Humans

<https://heatintelligence.com/>

Interesting AI Demos and Projects Part of Introduction to Artificial Intelligence CS 540

<http://pages.cs.wisc.edu/~dyer/cs540/demos.html>

International Association of Artificial Intelligence and Law (IAAIL)

<http://www.iaail.org/>

International Journal on Artificial Intelligence Tools (IJAIT)

<https://www.worldscientific.com/worldscinet/ijait>

Introduction to TensorFlow – An End to End Open Source Machine Learning Platform

<https://www.tensorflow.org/>

IRIS.AI – Youe Research Workspace

<https://iris.ai/>

Java Applets for Neural Network and Artificial Life

<http://staff.aist.go.jp/utsugi-a/Lab/Links.html>

JigSaw – Creating Future-Defining Technology

<https://jigsaw.google.com/issues/#intra>

Jog.ai – Perfect Memory For All Your Calls

<https://jog.ai/index.html>

Journal of Artificial Intelligence Research

<http://www.jair.org/>



Journal of Artificial Societies and Social Simulation (JASSS)

<http://jasss.soc.surrey.ac.uk/JASSS.html>

Journal of Interesting Negative Results in Natural Language Processing and Machine Learning (JINR)

<http://jinr.site.uottawa.ca/>

Journal of Machine Learning Research

<http://www.jmlr.org/>

Kaggle - Home of Data Science and Machine Learning

<https://www.kaggle.com/>

Keras: The Python Deep Learning Library

<https://keras.io/>

KurzweilAI.net – Accelerating Intelligence

<http://www.kurzweilai.net/>

Learning Path: An introduction to the Model Asset Exchange

<https://developer.ibm.com/series/create-model-asset-exchange/>

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<http://interestingengineering.com/in-depth-look-at-current-advances-artificial-intelligence/>

List of the Best Resources to Learn the Foundations of Artificial Intelligence

<https://medium.com/@rayalez/list-of-the-best-resources-to-learn-the-foundations-of-artificial-intelligence-934dbce5939>

Logic Programming Associates - LPA

<http://www.lpa.co.uk>

Lumen5 – Video Creator for Content Marketing

<https://lumen5.com/>

LYREBIRD – Using Artificial Intelligence To Enable Creative Expression

<https://lyrebird.ai/>



Machine Learning Algorithm Cheat Sheet for Microsoft Azure Machine Learning Studio

<https://azure.microsoft.com/en-in/documentation/articles/machine-learning-algorithm-cheat-sheet/>

Machine Learning Cheat Sheet

<https://github.com/soulmachine/machine-learning-cheat-sheet>

Machine Learning for Humans

<https://medium.com/machine-learning-for-humans/why-machine-learning-matters-6164faf1df12>

Machine Learning from Scratch

<https://github.com/eriklindernoren/ML-From-Scratch>

Machine Learning on AWS

<https://aws.amazon.com/machine-learning/>

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<http://link.springer.com/journal/10590>

Mallet - MACHine Learning for Language Toolkit

<http://mallet.cs.umass.edu/>

Mastodon Resources 2024

<http://www.MastodonResources.com/>

Microsoft Azure Cognitive Services

<https://azure.microsoft.com/en-in/services/cognitive-services/>

Microsoft Cognitive Toolkit

<https://www.microsoft.com/en-us/cognitive-toolkit/>



MindMeld – Conversational AI Platform for Deep-Domain Voice Interfaces and Chatbots

<https://www.mindmeld.com/>

Minds and Machines

<http://link.springer.com/journal/11023>

MIRI - Machine Intelligence Research Institute

<https://intelligence.org/>

MIT AI Lab Research Projects

<http://www.csail.mit.edu/research/>

MIT Made an Image Editing AI That Can Replace the Background in any Image

<https://thenextweb.com/artificial-intelligence/2018/08/21/mit-made-an-image-editing-ai-that-can-replace-the-background-in-any-image/>

ML Kit - Machine Learning for Mobile Developers

<https://developers.google.com/ml-kit/>

MOA (Massive Online Analysis) – MOA Machine Learning for Data Streams

<http://moa.cms.waikato.ac.nz/>

Motion AI - Artificial Intelligence Made Easy

<http://motion.ai/>

<https://www.hubspot.com/products/crm/chatbot-builder>

Mycroft AI – The Private and Open Voice Assistant

<https://mycroft.ai/>

Natural Computing: An International Journal

<http://link.springer.com/journal/11047>

Neurence - Intelligent Information Platform

<http://www.neurence.com/>

Neuroph - Java Neural Network Framework

<http://neuroph.sourceforge.net/>



Neuton TinyML - Disruptive Neural Network Framework

<https://neuton.ai/>

Next Step for Artificial Intelligence: The Autonomous Enterprise by Chuck Hollis

<https://www.forbes.com/sites/oracle/2018/08/23/next-step-for-artificial-intelligence-the-autonomous-enterprise/#56eb253126b9>

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<https://notion.ai/>

nTeligence – Experts in Artificial Intelligence

<http://www.nteligence.com/index.html>

Octopus.do – A Lightning Fast Visual Sitemap Builder

<https://octopus.do/>

OECD.AI – Policy Observatory

<https://oecd.ai/>

On-Device AI

<https://www.technologyreview.com/hub/ubiquitous-on-device-ai/>

OpenAI

<http://www.OpenAI.com/>

<http://openai.sourceforge.net/>

OpenAI Baselines: DQN

<https://blog.openai.com/openai-baselines-dqn/>

OpenCV (Open Source Computer Vision Library)

<https://opencv.org/>

OpenCyc - Open Source General KnowledgeBase and Commonsense Reasoning Engine

<http://www.cyc.com/>

Open Data Science

<https://opendatascience.com/>



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<http://www.OSAIAminiguide.com/>

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Otter.ai - AI for Everyday Conversations

<https://otter.ai/>

Pandorabots

<https://home.pandorabots.com/en/>

Paper Digest - Artificial Intelligence Summarizes Academic Articles for You

<https://www.paper-digest.com/>

Partnership on Artificial Intelligence

<https://www.partnershiponai.org/>

Pascal Costanza's Highly Opinionated Guide to Lisp

<http://p-cos.net/lisp/guide.html>

PCAI Artificial Intelligence Magazine

<http://www.pcai.com/>

Pefin - The World's First AI Financial Advice Platform

<https://www.pefin.com/>

Perspective – Using Machine Learning to Reduce Toxicity Online

<https://www.perspectiveapi.com/>

pienso – Text Data Deciphered

<http://pienso.com/>



PlaidML – Open Source Tensor Compiler

<https://www.intel.com/content/www/us/en/artificial-intelligence/plaidml.html>

Plickers

<https://play.google.com/store/apps/details?id=com.plickers.client.android&hl=en>

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<https://80000hours.org/problem-profiles/positively-shaping-artificial-intelligence/>

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PyTorch – From Research to Production – Open Source Machine Learning Framework

<https://pytorch.org/>

Rasa NLU - Language Understanding for ChatBots and AI Assistants

<https://rasa.com/docs/>

Request for Information on Artificial Intelligence – Science and Technology Policy Office

<https://www.federalregister.gov/documents/2016/06/27/2016-15082/request-for-information-on-artificial-intelligence>



Responsible AI Resources

<https://www.microsoft.com/en-us/ai/responsible-ai-resources>

Rigetti – Think Quantum

<https://www.rigetti.com/>

Robo Brain - Large Scale Computational System That Learns from Publicly Available Internet Resources

<http://robobrain.me/>

RunwayML – The Fastest Way to Edit Video

<https://runwayml.com/>

Second State – Serverless Everywhere

<https://www.secondstate.io/>

Semantic Scholar - Free Scientific Literature Search and Discovery

<https://allenai.org/semantic-scholar/>

SIGART AI - ACM Special Interest Group on Artificial Intelligence

<http://www.sigart.org/>

Sigma Knowledge Engineering Environment

<http://sigmakee.sourceforge.net/>

Signum – Automate Your Work with External Data Vendors

<https://signum.ai/>

Snips – AI Private Voice Assistants Using Decentralized Machine Learning, Token-Curated App Store and Decentralized Data Generation

<http://www.snips.ai/>

<https://www.sonos.com/en-us/home>

Squirrel AI Learning – AI Powered K12 Adaptive Instructional System and Services

<https://squirrelai.com/>



SRI's Artificial Intelligence Center

<http://www.ai.sri.com/>

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<http://groups.csail.mit.edu/mac/classes/6.001/abelson-sussman-lectures/>

Suggested Upper Merged Ontology (SUMO)

<http://www.ontologyportal.org/>

SummarizeBot – AI and Blockchain Powered SummerizeBot

<http://www.summarizebot.com/>

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The Center for Brains, Minds and Machines at MIT

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<https://www.mckinsey.com/business-functions/mckinsey-analytics/our-insights/the-executives-ai-playbook>

The Future of Bots, Messaging and AI by Murray Newlands

<http://www.business2community.com/business-innovation/future-bots-messaging-ai-01923203#QWvyuUudkFxBZv1.97>

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<https://www.theaifutureshow.com/>

The Grid – Tool Using Artificial Intelligence To Build Your Ultimate Website

<http://www.TheGrid.io/#82>

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<http://redstagfulfillment.com/growth-of-artificial-intelligence-in-e-commerce/>

The Massive HedgeFund Betting On AI by Adam Satariano and Nishant Kumar

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<https://www.wired.com/story/wired-guide-to-quantum-computing>

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<http://ttd.media.mit.edu/index.html>

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<https://angel.co/startups/industry/artificial-intelligence>

Toxic Comment Classifier

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Transactions of the Japanese Society for Artificial Intelligence (TJSAI)

<http://www.jstage.jst.go.jp/browse/tjsai>

Trennd - Discover Exploding Trends

<https://explodingtopics.com/>

<https://trennd.co/>

Universe - Measurement and Training for Artificial Intelligence

<https://universe.openai.com/>



University of Cambridge Research - The Future of Intelligence

<http://www.cam.ac.uk/research/news/the-future-of-intelligence-cambridge-university-launches-new-centre-to-study-ai-and-the-future-of>

University of Arizona Artificial Intelligence Lab

<http://ai.arizona.edu/>

Using Artificial Intelligence To Create Invisible UI

<http://www.7wdata.be/data-warehousing/using-artificial-intelligence-to-create-invisible-ui/>

Using OSINT to Identify AI-generated Content

<https://www.authentic8.com/blog/osint-ai-generated-content>

Vicarious – Intelligent Automation

<http://vicarious.com/>

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<https://www.kdnuggets.com/2017/10/gigaom-voices-ai-podcast.html>

Watson –IBM Watson Is AI for Smarter Business

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Weka 3 – Machine Learning Software in Java

<http://www.cs.waikato.ac.nz/ml/weka/index.html>

What Consumers Really Think About AI: A Global Study

<https://www.pega.com/ai-survey>

What Is Artificial Intelligence?

<http://www-formal.stanford.edu/jmc/whatisai/whatisai.html>

What’s the Difference Between Artificial Intelligence, Machine Learning and Deep Learning

<https://blogs.nvidia.com/blog/2016/07/29/whats-difference-artificial-intelligence-machine-learning-deep-learning-ai/>



Wikipedia – Artificial Intelligence

http://en.wikipedia.org/wiki/Artificial_intelligence

WildFire AI Content Creation Service

<http://www.wildfirelearning.co.uk/>

WIT.ai – Build Natural Language Experiences

<https://wit.ai/>

World Class AI Experts Share What Their Favorite Algorithm Is

<https://thenextweb.com/contributors/2018/08/04/ai-experts-favorite-algorithms-siraj-raval/>

Zeef – Artificial Intelligence

<https://zeef.com/?query=Artificial%20Intelligence&in=all>



Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

<http://www.VirtualPrivateLibrary.com/>

Accessibility Resources

<http://www.AccessibilityResources.info/>

Agriculture Resources

<http://www.AgricultureResources.info/>

AnswerSpot

<http://www.AnswerSpot.co/>

Artificial Intelligence Resources

<http://www.AIResources.info/>

Astronomy Resources

<http://www.AstronomyResources.info/>

Auction Resources

<http://www.AuctionResources.info/>

Biological Informatics

<http://www.BiologicalInformatics.info/>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

Bot Research

<http://www.BotResearch.info/>

Business Intelligence Resources

<http://www.BIResources.com/>



ChatterBots

<http://www.ChatterBots.info/>

Data Mining Resources

<http://www.DataMiningResources.info/>

Deep Web Research

<http://www.DeepWebResearch.info/>

Directory Resources

<http://www.DirectoryResources.info/>

eCommerce Resources

<http://eCommerceResources.info/>

Education and Academic Resources

<http://www.EducationResources.info/>

Elder Resources

<http://www.ElderResources.info/>

Employment Resources

<http://www.EmploymentResources.info/>

Entrepreneurial Resources

<http://www.EntrepreneurialResources.info/>

Fact Checkers Directory

<http://www.FactCheckers.us/>

Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>



Genealogy Resources

<http://www.GenealogyResources.info/>

Grant Resources

<http://www.GrantResources.info/>

Green Files

<http://www.GreenFiles.info/>

Grid, Distributed and Cloud Computing Resources

<http://www.GridResources.info/>

Healthcare Resources

<http://www.HealthcareResources.info/>

Information Futures Markets

<http://www.InformationFuturesMarkets.com/>

Information Quality Resources

<http://www.InformationQualityResources.info/>

International Trade Resources

<http://www.InternationalTradeResources.info/>

Internet Alerts

<http://www.InternetAlerts.info/>

Internet Demographics

<http://www.InternetDemographics.info/>

Internet Experts

<http://www.InternetExperts.info/>

Internet Hoaxes

<http://www.InternetHoaxes.info/>

Intrapreneurial Resources

<http://www.IntrapreneurialResources.info/>



Journalism Resources

<http://www.JournalismResources.info/>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info/>

Military Resources

<http://www.MilitaryResources.info/>

New Economy Analytics, Resources and Alerts

<http://www.NewEconomyAnalytics.com/>

Outsourcing/Offshoring Information and Resources

<http://www.OutsourcingOffshore.us/>

Predictions Markets

<http://www.PredictionMarkets.com/>

Privacy Resources

<http://www.PrivacyResources.info/>

Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

RestStress™

<http://www.RestStress.com/>

Script Resources

<http://www.ScriptResources.info/>

ShoppingBots

<http://www.ShoppingBots.info/>

Social Informatics

<http://www.SocialInformatics.info/>



Statistics Resources and Big Data
<http://www.StatisticsResources.info/>

Student Research Resources
<http://www.StudentResearch.info/>

Theology Resources
<http://www.TheologyResources.info/>

Tutorial Resources
<http://www.TutorialResources.info/>

World Wide Web Reference
<http://www.WWWReference.info/>

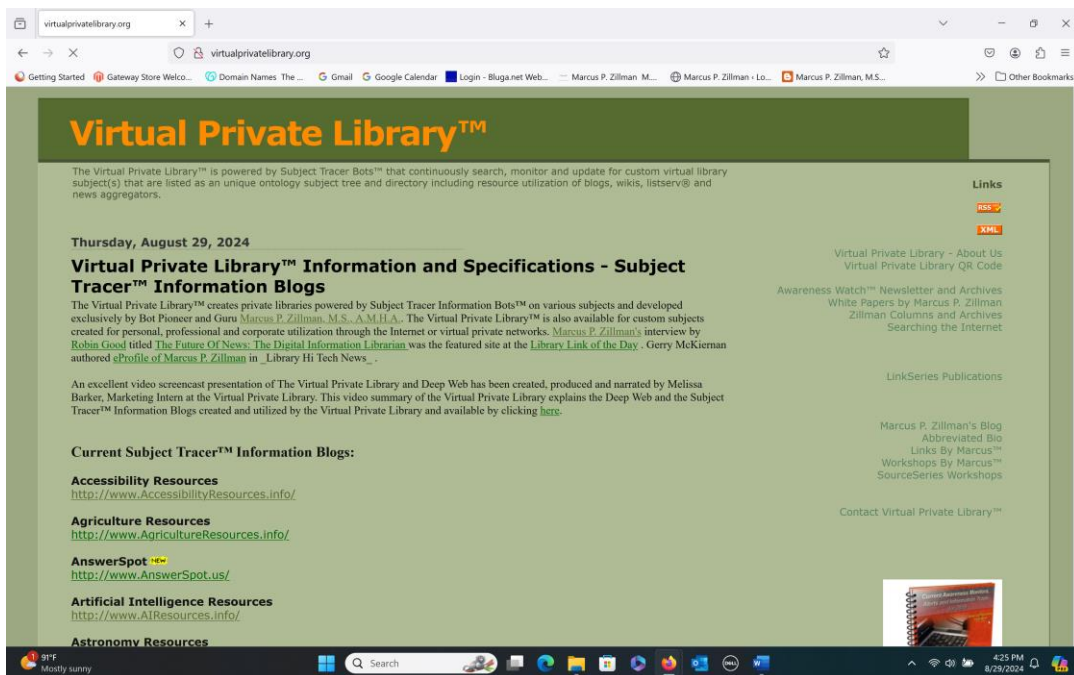


Figure 2: Virtual Private Library™

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Artificial Intelligence (AI) Discovery and Detection Tools 2024

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Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies. Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog (30,000+ Postings)

<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio

<http://www.zillman.info/>

Awareness Watch™ Newsletter

<http://www.AwarenessWatch.com/>

Marcus P. Zillman's Columns

<http://www.ZillmanColumns.com>

LinkSeries Publications

<http://www.LinkSeries.com/>

Links By Marcus™

<http://www.LinksByMarcus.com/>

Workshops By Marcus™

<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops

<http://www.SourceSeries.com/>

Watch Marcus™

<http://www.WatchMarcus.com/>

listen to marcus™

<http://www.ListenToMarcus.com>



Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

2022/2023 Guide to Finding Experts by Using the Internet

<http://www.FindingExperts.info/>

2022/2023 Guide to Finding People Resources and Sites

<http://www.FindingPeople.info/>

2022/2023 Guide to Internet Privacy Resources and Tools

<http://www.2022InternetPrivacy.com/>

2023 MiniGuides Series and 2024 Publications by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.2023MiniGuides.com/>

2024 Directory of Directories

<http://www.2024DirectoryOfDirectories.com/>

2024 Green Files

<http://www.GreenFiles.info/>

2024 Guide to Searching the Internet

<http://www.SearchingTheInternet.info/>

2023 New Economy Resources

<http://www.2023NewEconomy.com/>

2024 Reference Resources

<http://www.2024ReferenceResources.com/>

Academic and Scholar Search Engines and Sources 2024

<http://www.ScholarSearchEngines.com/>

Artificial Intelligence (AI) Discovery and Detection Tools 2024

<http://www.AIDiscoveryTools.com/>

Bots, Blogs and News Aggregators 2024

<http://www.BotsBlogs.com/>



Business Intelligence Online Resources 2022/2023/2024

<http://www.BIOOnlineResources.com/>

Cloud Computing Resources Primer 2024

<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Tools 2024

<http://www.CurrentAwarenessTools.com/>

Deep Web Research and Discovery Resources 2024 Online White Paper

<http://DeepWeb.us/>

eMarketing MiniGuide 2024

<http://www.eMarketingMiniGuide.com/>

eReference Library Link Toolkit 2022/2023

<http://www.eReferenceLibrary.com/>

Fact Check Resources Miniguide 2024

<http://www.FactCheckMiniguide.com/>

Finding Experts By Using the Internet 2022/2023

<http://www.FindingExperts.info/>

Finding People Resources and Sites 2022/2023

<http://www.FindingPeople.info/>

GenerativeAI Resources 2024

<http://www.GenerativeAIResources.com/>

Healthcare Bots and Subject Directories 2024

<http://www.HealthcareBots.info/>

Knowledge Discovery Resources 2024

<http://www.KDResources.info/>

New Economy Resources 2024

<http://www.NewEconomyResources.com/>



New Normal StartUp Resources 2024

<http://www.NewNormalStartUpResources.com/>

Online Research Browsers and Data Visualization Tools 2024

<http://www.zillman.us/white-papers/online-research-browsers/>

Online Research Tools 2023/2024

<http://www.OnlineResearchTools.info/>

Online Social Networking 2022/2023

<http://www.OnlineSocialNetworking.info/>

Open Datasets 2024

<http://www.OpenDataSets.info/>

Open Educational Resources (OER) Sources 2024

<http://www.OERSources.com/>

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2024

<http://www.OSAIAMiniguide.com/>

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Prompt Catalog 2024 for Artificial Intelligence

<http://www.PromptCatalog.ai/>

Searching the Internet 2024

<http://www.SearchingTheInternet.info/>

Social Informatics 2022/2023

<http://www.SocialInformatics.net/>

Subject Tracers 2022/2023/2024

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Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2024

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>



Web Data Extractors 2024

<http://www.WebDataExtractors.com/>

Web Guide for the New Economy 2024

<http://www.WebGuideNewEconomy.com/>

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