

Awareness Watch™ Newsletter

By Marcus P. Zillman, M.S., A.M.H.A.

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

V23N2

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Welcome to the V23N2 February 2025 issue of the **Awareness Watch™ Newsletter**. This newsletter is available as a complimentary subscription and will be issued monthly. Each newsletter will feature the following:

Awareness Watch™ Featured Report

Awareness Watch™ Spotters

Awareness Watch™ Book/Paper/Article Review

Subject Tracer™ Information Blogs

I am always open to feedback from readers so please feel free to email with all suggestions, reviews and new resources that you feel would be appropriate for inclusion in an upcoming issue of Awareness Watch™. This is an ongoing work of creativity and you will be observing constant changes, constant updates knowing that “change” is the only thing that will remain constant especially in today’s post COVID-19 New Economy, New Normal 2025 and Generative Artificial Intelligence 2025 world!!

Awareness Watch™ Featured Report

This month’s featured report covers **Artificial Intelligence (AI) Agent Spot**. It is a landing spot and comprehensive listing of competent AI Agents for 2025 including pathfinders, subject tracers directory resources and tools including the new 2025 economy generative AI and new normal internet directories, subject guides and index resources and sites for 2025 literally “The Spot for All AI Agents. The below information is taken from my Open Source Artificial Intelligence (OSAIA) Agents MiniGuide 2025 and is constantly updated with my Subject Tracer™ bots at the following URL: <http://www.OSAIAminiguide.com/>. These resources and sources will help you to discover the many new and existing pathways available through the Internet to find the latest new and existing world wide web and Internet competent pathfinders and directory research sources, tools and sites to discover the new world of AI Agents.. As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently. The below resources and sources will be your new and existing pathfinders to all the new and existing current AI Agent resources!



Artificial Intelligent (AI) Agent Spot

By

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<http://www.AgentAISpot.com/>
“The Spot for all AI Agents”™

Artificial Intelligence (AI) Agent Spot is a comprehensive spot and listing of competent internet open source artificial intelligence agents resources and sites on the Internet. The below list of sources is taken partially from my white paper titled Open Source Artificial Intelligence (OSAIA) Agents Miniguide 2025 and is constantly updated with Subject Tracer™ bots at the following URL:

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

These resources and sources will help you to discover the many pathways available through the Internet to find the latest competent internet AI Agent resources and sites. As this site is constantly updated with tips to get you started on AI Agents, it would be to your benefit to bookmark and return to the above URLs frequently.

Welcome to “The Spot for All AI Agents”™:

Open-source AI agents are autonomous software programs designed to perform tasks with minimal human intervention. These agents can make decisions, learn from their environment, and adapt to new situations. Some popular open-source AI agents and frameworks include:

AutoGPT: One of the first and most well-known autonomous AI agents

BabyAGI: A simple framework for AI-powered task management

SuperAGI: An open-source framework for building, managing, and running autonomous AI agents. It offers features like concurrent agent running, tool extensions, and performance telemetry

Langchain: Considered to have one of the strongest agent frameworks available

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CAMEL: An open-source library for studying autonomous and communicative agents

These agents can be used for various purposes, such as research, data analysis, content creation, and task automation. They offer opportunities for innovation and efficiency in both personal and business contexts. However, it's important to note that open-source AI agents are still largely experimental and may require technical expertise to set up and maintain. Challenges include the potential for hallucinations (generating inaccurate information) and the need for human oversight to ensure quality output.

Additional Artificial Intelligence (AI) Agent Resources:

<https://github.com/e2b-dev/awesome-ai-agents/activity>

<https://www.taskade.com/blog/top-autonomous-agents/>

https://www.reddit.com/r/ChatGPTCoding/comments/14h92rj/were_making_a_list_of_popular_open_source_ai/

<https://www.ycombinator.com/companies/superagent>

<https://github.com/TransformerOptimus/SuperAGI>

50 Proven RAG Methods to Build Smarter, Faster AI Agents

https://www.linkedin.com/posts/maryammiradi_50-proven-rag-methods-to-build-smarter-activity-7282750511907311616-a6fV/

2025 Is the Year for AI Agents

https://www.linkedin.com/posts/debashisdutta_ai-artificialintelligence-generativeai-activity-7281095226700578816-mg-6/

2025 May Be the Year AI Bots Take Over Meta

<https://www.downes.ca/post/77472>

A First Introduction to Cooperative Multi-Agent Reinforcement Learning

<https://www.downes.ca/post/77476>

Agentic RAG

https://www.linkedin.com/posts/pavan-belagatti_agentic-rag-represents-an-advanced-framework-activity-7269376184486891520-ggnu/

Agentic Systems: A Guide to Transforming Industries with Vertical AI Agents
https://www.linkedin.com/posts/fouad-bousetouane-ph-d-83382614_agentic-ai-ugcPost-7282799801811746816-6IEn/

Agents Are Not Enough
https://www.linkedin.com/posts/areganti_agents-are-not-enough-we-need-sims-activity-7281670800187777024-B-LX/

Agent Laboratory: Using LLM Agents as Research Assistants
https://www.linkedin.com/posts/theophano-mitsa-ph-d-2a62349_agent-laboratory-using-llm-agents-as-research-ugcPost-7283765485190455296-SfBT/

Agent Scope – Start Building LLM-Empowered Multi-Agent Applications in an Easier Way
<https://github.com/modelscope/agentscope>

Agents White Paper by Google
https://www.linkedin.com/posts/sonali-pattnaik_agentswhitepapergoogle-ugcPost-7281004802069696512-GCxz/

AI Agents
https://www.linkedin.com/posts/stevenouri_ai-agents-ugcPost-7283769208977440768-DIJd/

AI Agents / Agentic Applications & Exploration
https://www.linkedin.com/posts/cobusgreyling_%F0%9D%97%94%F0%9D%97%9C-%F0%9D%97%94%F0%9D%97%B4%F0%9D%97%B2%F0%9D%97%BB%F0%9D%98%81%F0%9D%98%80-%F0%9D%97%94%F0%9D%97%B4%F0%9D%97%B2%F0%9D%97%BB%F0%9D%98%81%F0%9D%97%B6%F0%9D%97%B0-%F0%9D%97%94%F0%9D%97%BD%F0%9D%97%BD-activity-7247509485856964608-koOy/

AI Agents Are Here and They're About to Change Everything
<https://www.linkedin.com/pulse/ai-agents-here-theyre-change-everything-steve-nourijvowc/>

AI Agents Arrive
<https://su-7432255.hs-sites.com/the-singularity-monthly-october-2024>

AI Agents Can Empower Human Potential While Navigating Risks
<https://www.weforum.org/stories/2024/12/ai-agents-empower-human-potential-while-mitigating-risks/>



AI Agents in Banking/Finance

https://www.linkedin.com/posts/rakeshgohel01_3-reports-use-cases-to-understand-how-ai-activity-7282765808735342593-mmqp/

AI Agents Landscape

https://www.linkedin.com/posts/areganti_this-is-a-really-cool-github-repo-with-activity-7248882236689629184-0coI/

AI Agents Notes by Chip Huyen

https://www.linkedin.com/posts/shekarramachandran_ai-agent-by-chip-huyen-ugcPost-7282743350833684480-WZ56/

AI Agents Stack

https://www.linkedin.com/posts/that-aum_there-will-be-companies-worth-300-billion-activity-7282721060561571841-sdg1/

AI Agent Updates

https://www.linkedin.com/posts/rakeshgohel01_the-future-of-ai-agents-is-happening-now-activity-7284215045700366336-XM0D

AI for Research

<https://scite.ai/>

AI Governance: 2025 Reports

https://www.linkedin.com/posts/luizajarovsky_ai-aigovernance-aipolicy-activity-7288654310077329408-dCa3/

AI Top Tools

<https://aitoptools.beehiiv.com/>

An AI Hedge Fund Team of AI Agents

<https://github.com/virattt/ai-hedge-fund>

Artificial Intelligence (AI) Discovery and Detection Tools 2025

<http://www.AIDiscoveryTools.net>

Artificial Intelligence Driven Clinical Decision Support Systems

https://www.linkedin.com/posts/humam-zaman_ai-driven-clinical-decision-support-systems-activity-7286789653049864192-awH4/

A System of Agents Brings Service-as-Software to Life

<https://www.downes.ca/post/77283>



Automated Design of Agentic Systems

https://www.linkedin.com/posts/areganti_must-read-generative-ai-papers-from-2024-activity-7278409303802187776-mWI4/

Beginners Friendly Guide on LLM Agents

https://www.linkedin.com/posts/areganti_check-out-my-beginner-friendly-guide-on-activity-7231487622508875776-3fyr

Best AI Agent Papers of 2024

https://www.linkedin.com/posts/rakeshgohel01_these-12-research-papers-can-help-you-understand-activity-7278779223413039104-MrR0/

Building AI Agents

https://www.linkedin.com/posts/ghita-el-haitmy-a9ab7767_building-ai-agents-the-complete-january-activity-7282058975712305152-vkXP/

Building a Research Assistant Using Pydantic AI

https://www.linkedin.com/posts/mehdiallahyari_build-a-research-assistant-using-pydanticai-ugcPost-7275346211291709440-hbEb/

Building Effective Agents

https://www.linkedin.com/posts/areganti_amidst-all-the-hype-this-article-from-activity-7283686568454750208-c3YW/

Build Your Agents from Scratch, Forget AutoGen or CrewAI – Part A

https://www.linkedin.com/posts/areganti_build-your-agents-from-scratch-forget-autogen-activity-7244041263702769664-YWz

Build Your Own Personal AI Assistant with Agents and Tools

https://www.linkedin.com/posts/pavan-belagatti_build-your-personal-ai-assistant-with-agents-activity-7281713560672419840-BiaJ/

Courses You Will Need to Start Building AI Agents

https://www.linkedin.com/posts/that-aum_2025-will-be-the-year-of-ai-agents-and-here-activity-7280178757418516480-bg00/

Create Your Own AI Agent

<https://wondertools.substack.com/p/supernormal>

DeepSeek-R1: Incentivizing Reasoning Capability in LLMs via Reinforcement Learning https://www.linkedin.com/posts/debashisdutta_artificialintelligence-deeplearning-aiforall-activity-7288684933139587073-oY26/

DeepSeek-R1 – The World’s Most Powerful Open Source AI Model https://www.linkedin.com/posts/stevenouri_innovation-generativeai-activity-7287156940722393089-QhAO/

Droidspeak: AI Agents Now Have Their Own Language Thanks to Microsoft <https://singularityhub.com/2024/11/21/droidspeak-ai-agents-now-have-their-own-language-thanks-to-microsoft/>
<https://arxiv.org/pdf/2411.02820>

Evolution of AI Agents https://www.linkedin.com/posts/rakeshgohel01_the-best-way-to-learn-about-ai-agents-is-activity-7274791661019246592-vgE4/

From RAG to Autonomous Agents https://www.linkedin.com/posts/lewiswalkerai_rag-to-autonomous-agents-ugcPost-7266857944917458946-pEMs/

Frontier Models are Capable of In-Context Scheming https://www.linkedin.com/posts/peterslattery1_frontier-models-are-capable-of-in-context-activity-7271161574537494528-hOv6/

Generative Agent Simulations of 1,000 People <https://www.downes.ca/post/77343>

Generative AI Agents in Action: Revolutionizing Software Development Testing https://www.linkedin.com/posts/shekarramachandran_ai-agent-by-chip-huyen-ugcPost-7282743350833684480-WZ56/

Guide to Build AI Agents from Scratch https://www.linkedin.com/posts/martinroberts_guide-to-build-ai-agents-from-scratch-ugcPost-7218442716228014081-MfHm

How Do You Really Design Multi-Agent Systems https://www.linkedin.com/posts/areganti_how-do-you-really-design-multi-agent-systems-activity-7282033211021377537-ziVm/

How Teams of AI Agents Working Together Could Unlock the Tech’s True Power <https://singularityhub.com/2024/06/28/how-teams-of-ai-agents-working-together-could-unlock-the-techs-true-power/>



How to Build a Crypto AI Agent with Eliza

<https://themilkroad.beehiiv.com/p/how-to-build-a-crypto-ai-agent-w-eliza>

How to Start Learning AI Agents

https://www.linkedin.com/posts/khizer-abbas_bloomberg-predicts-2025-will-be-the-year-activity-7274743772171685888-7MuB/

Infogent: An Agent-Based Framework for Web Information Aggregation

<https://arxiv.org/abs/2410.19054>

Is 2025 the Year AI Agents Take Over? Industry Bets Billions on AI's Killer App

<https://singularityhub.com/2024/12/27/is-2025-the-year-ai-agents-take-over-industry-bets-billions-on-ais-killer-app/>

Key Patterns for AI Agents

https://www.linkedin.com/posts/andreashorn1_aiagents-designpattern-llm-activity-7267414484485386241-6Y8o/

Large Concept Models

https://www.linkedin.com/posts/rakeshgohel01_large-concept-models-can-be-the-next-powerful-activity-7280591439074340864-cMyW/

Learn How To Build LLM Agents

https://www.linkedin.com/posts/areganti_if-you-want-to-learn-how-to-build-llm-agents-activity-7263030478557917184-iDgi/

LLM Agents 101 – A Beginner's Guide

https://www.linkedin.com/posts/areganti_check-out-my-beginner-friendly-guide-on-activity-7277163605395963904-7cDW/

Meet Your Intelligent Research Assistant

<https://jenni.ai/>

Navigating the AI Frontier: A Primer on the Evolution and Impact of AI Agents

<https://www.downes.ca/post/77400>

Next Generation AI Agents

https://www.linkedin.com/posts/rakeshgohel01_the-next-generation-of-ai-agents-is-not-just-activity-7262112435967307777-US_5/

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2025

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

Patent AI Agents + RAG

https://www.linkedin.com/posts/maryammiradi_ai-agents-for-patent-analysis-evopats-activity-7282395479517061120-T8Qs/

Security Challenges Associated with AI Agents

https://www.linkedin.com/posts/cobusgreyling_%F0%9D%97%A6%F0%9D%97%B2%F0%9D%97%B0%F0%9D%98%82%F0%9D%97%BF%F0%9D%97%B6%F0%9D%98%81%F0%9D%98%86-%F0%9D%97%96%F0%9D%97%B5%F0%9D%97%AE%F0%9D%97%B9%F0%9D%97%B9%F0%9D%97%B2%F0%9D%97%BB%F0%9D%97%B4%F0%9D%97%B2%F0%9D%98%80-%F0%9D%97%94%F0%9D%98%80%F0%9D%98%80%F0%9D%97%BC%F0%9D%97%B0%F0%9D%97%B6%F0%9D%97%AE%F0%9D%98%81%F0%9D%97%B2%F0%9D%97%B1-activity-7271903078340018177-7Xjf/

Self Improvement on AI Agents – Is It Possible?

https://www.linkedin.com/posts/rakeshgohel01_self-improvement-on-ai-agents-is-it-possible-activity-7263195373203001344-9l9E/

SmolAgents: Finance

https://www.linkedin.com/posts/hanane-d-algo-trader_how-can-smolagents-an-ai-agents-framework-activity-7281704764860424193-iXri/

Social Buzz AI Agent 2025

<http://whitepapers.virtualprivatelibrary.net/SBAIA.pdf>

Sohrab Rahimi on LinkedIn: Agents Represent the Next Generation of AI

https://www.linkedin.com/posts/sohrab-rahimi_agents-represent-the-next-generation-of-ai-activity-7207817260395102209-I_A0

State of AI Agents

https://www.linkedin.com/posts/areganti_how-are-ai-agents-being-used-in-the-wild-activity-7265567170066100224-1TxL/

State of AI Agents 2024

https://www.linkedin.com/posts/beka-kakachia_langchain-activity-7270838343867793409-9aJF/

The Dawn of GUI Agent: A Preliminary Case Study with Claude 3.5 Computer Use

https://www.linkedin.com/posts/areganti_a-new-paper-explores-anthrops-latest-activity-7265363360890634242-ygHk/

The Ethics of Advanced AI Assistants

https://www.linkedin.com/posts/octaviopadilla_the-ethics-of-advanced-ai-assistants-activity-7282758050166276097-scLh/

The Future of AI Agents: Bridging the Gap Between Generalization and Specialization

https://www.linkedin.com/posts/fouad-bousetouane-ph-d-83382614_agentic-ai-ugcPost-7282799801811746816-6IEn/

The Open-Source Toolkit for Building AI Agents

<https://www.aitidbits.ai/p/open-source-agents>
<https://www.downes.ca/post/77318>

The Promise and the Reality of Gen AI Agents in the Enterprise

<https://www.mckinsey.com/industries/technology-media-and-telecommunications/our-insights/the-promise-and-the-reality-of-gen-ai-agents-in-the-enterprise>

The Rise of AI Agents: What They are and How to Manage the Risks

<https://www.weforum.org/stories/2024/12/ai-agents-risks-artificial-intelligence/>

Three Ways to Evaluate AI Agents

https://www.linkedin.com/posts/shchegrikovich_three-ways-to-evaluate-ai-agents-llm-evaluation-activity-7276703048142356480-IzZ0/

Top AI Agent Trends in 2025

https://www.linkedin.com/posts/rakeshgohel01_2024-was-just-a-start-what-is-in-store-for-activity-7270086275263533056-nhi4

Top Free Online Courses for Building LLM Agents

https://www.linkedin.com/posts/areganti_if-you-want-to-learn-how-to-build-llm-activity-7218441654397976576-DSDq

Types of Agents

https://www.linkedin.com/posts/tobias-zwingmann_everyone-talks-about-ai-agents-but-few-really-activity-7274777610562277376-0T4F/

Understand Classic Agents to Understand AI Agents Better

https://www.linkedin.com/posts/rakeshgohel01_you-need-to-understand-classic-agents-to-activity-7276967272508805120-nKHe/

Workers' Rights for AI Agents Debate

<https://www.perplexity.ai/page/workers-rights-for-ai-agents-d-Q8D7BYXwSP.Hi0Rv97K.bg>

To implement open-source AI agents in your business, you can follow these steps:

1. Choose an appropriate framework: Consider popular open-source options like AutoGPT, BabyAGI, SuperAGI, or Langchain. These frameworks offer different features and capabilities, so select one that aligns with your business needs[2].
2. Define your objectives: Determine specific tasks or workflows you want to automate or enhance with AI agents. Common use cases include sales research, marketing personalization, competitor analysis, and project management[4].
3. Set up the infrastructure: Most open-source AI agent frameworks require some technical setup. You may need to deploy the chosen framework on your own servers or use cloud-based solutions[1].
4. Customize the agents: Tailor the AI agents to your specific business processes. This may involve training them on your company's data, integrating them with existing tools like CRMs, or defining custom workflows[4].
5. Integrate with existing systems: Connect your AI agents to relevant data sources and business applications. For example, SuperAGent offers integration with Airtable and provides APIs and SDKs for embedding agents into third-party systems[4].
6. Train your team: Ensure your employees understand how to work with and leverage the AI agents effectively. This may require some upskilling or training sessions.
7. Start with pilot projects: Begin with smaller, low-risk projects to test the effectiveness of the AI agents and identify any issues or areas for improvement.
8. Monitor and iterate: Regularly assess the performance of your AI agents, gather feedback from users, and make necessary adjustments to improve their effectiveness.
9. Scale gradually: As you gain confidence in the AI agents' capabilities, expand their use to more critical business processes.
10. Stay updated: The field of AI agents is rapidly evolving. Keep track of new developments and updates to your chosen framework to ensure you're leveraging the latest capabilities.

Remember that while open-source AI agents offer significant potential for improving business efficiency, they may still require some technical expertise to implement and maintain effectively[2]. Consider partnering with AI specialists or investing in training for your IT team if needed.

Citations:

[1] <https://www.youtube.com/watch?v=3FC3h6zaceQ>

[2] <https://www.taskade.com/blog/top-autonomous-agents/>

[3] <https://github.com/e2b-dev/awesome-ai-agents>

[4] <https://www.ycombinator.com/companies/superagent>

[5] https://www.reddit.com/r/OpenAI/comments/16pk8hp/build_an_entire_ai_workforce_with_chatdev_ai/

Autonomous AI agents have several practical applications in businesses across various industries. Here are some key ways they can be implemented:

1. Customer Service: AI agents can handle customer inquiries, provide support, and resolve issues 24/7. They can understand natural language, offer personalized responses, and escalate complex issues to human agents when necessary[3][4].
2. Sales and Marketing: AI agents can analyze customer data, identify leads, personalize marketing campaigns, and even engage in automated sales conversations[3].
3. Human Resources: In HR, AI agents can streamline recruitment by sorting applications, scheduling interviews, and managing employee data. They can also assist with onboarding by acting as a knowledge hub for new employees[3].
4. Project Management: AI agents can automate task allocation, track progress, and provide real-time updates on project status. This improves efficiency and allows human managers to focus on strategic decisions[3].
5. Data Analysis and Decision Making: AI agents can process large volumes of data, identify patterns, and provide insights to support decision-making. This is particularly useful in finance for risk assessment and fraud detection[2].
6. Supply Chain Management: Autonomous agents can optimize inventory levels, predict demand, and manage logistics more efficiently[2].
7. IT Operations: AI agents can monitor systems, detect anomalies, and even perform routine maintenance tasks, improving overall IT infrastructure reliability[1].
8. Content Creation: AI agents can assist in generating reports, articles, and other content, helping businesses maintain consistent communication across channels[3].
9. Financial Management: In finance, AI agents can assist with algorithmic trading, fraud detection, and risk management[2].

10. Research and Development: AI agents can analyze scientific literature, simulate experiments, and assist in the innovation process[1].

When implementing autonomous AI agents, businesses should consider factors such as:

- Customization: Tailor the AI agents to fit specific business needs and processes[3].
- Integration: Ensure seamless integration with existing systems and workflows[4].
- Scalability: Choose solutions that can grow with the business[3].
- Continuous Learning: Implement agents that can adapt and improve over time[1].

By leveraging autonomous AI agents, businesses can enhance efficiency, reduce costs, and improve customer experiences. However, it's important to maintain human oversight and ensure ethical use of AI technologies.

Citations:

[1] <https://www.algomo.com/blog/autonomous-ai-agents>

[2] <https://autogpt.net/autonomous-agents-are-the-new-future-complete-guide/>

[3] <https://rightinformation.com/blog/8-use-cases-of-ai-agents-in-workflow-automation/>

[4] <https://www.fluid.ai/blog/exploring-autonomous-ai-agents-their-functionality-importance-and-future-impact>

[5] <https://botpress.com/blog/real-world-applications-of-ai-agents>

Awarenesswatch™ Spotters

February 2025 Zillman Column: 2025 Link Guide to Finding People

http://columns.virtualprivatelibrary.net/2025_Link_Guide_to_Finding_People_Feb25_column.pdf

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

The February 2025 Zillman Column featuring 2025 Link Guide to Finding People by Marcus P. Zillman, M.S., A.M.H.A.; Executive Director of the Virtual Private Library. This is a comprehensive listing of niched internet web finding people resources, sites, and tools on the Internet and available in the new “zoom” education/learning/business/social age. These competent Internet finding people resources as well as open metaverse, ChatGPT and Generative AI resources and tools will be your search engine for your Internet finding people research. The below list of sources is partially taken from my Finding People Resources and Sites 2025 and is constantly updated with Subject Tracer™ bots at the following URL: <http://www.FindingPeople.info/>. These tools, resources, and sources will help you to discover the many pathways available to you through the Internet to find the latest Internet finding people resources and open metaverse, chatgpt and generative ai research resources, sources, and sites for the new finding people normal. This is another MUST have column to discover the latest 2025

competent and niched online new and existing finding people research resources and tools to give you the information you need in today's ever-changing and fast-paced [2025 New Economy](#) business and academic research world and the [New Normal 2025](#)

Current Awareness Tools 2025

http://whitepapers.virtualprivatelibrary.net/current_awareness_tools_2025.pdf

Research white paper titled “**Current Awareness Tools 2025**” is a 19-page research paper listing many resources both new and existing that will help anyone who is attempting to find information and knowledge research about current awareness tools available on the Internet. It is freely available as a PDF file (274KB) at the above link from the Virtual Private Library™ and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) It was recreated on **January 21, 2024**. Other white papers are available by clicking [here](#). Direct URL Bookmark: <http://www.CurrentAwarenessTools.com/>

Awarenesswatch™ Paper Review

AI Literacy as Civic Literacy: A Case Study of the “AI and Human Rights” Curriculum for Middle School Students by *Daniella DiPaola, Marc Aidinoff, Angela Marzilli, Ethan Berman, Michael Champigny, Nate Gundy, Sarah Yezzi and Cynthia Breazeal*

Abstract

While the younger generation immerses itself in AI technologies, governmental bodies are at the initial stages of investigating the technology's implications on our rights and how it will be best regulated. There is an opportunity to complement AI education with civic understanding. This work introduces the “AI and human rights” curriculum, which consists of seven lessons on human rights, how technology shapes our rights, and the Blueprint for an AI Bill of Rights. We summarize the experience of 50 middle school students who participated in a rights-based AI legislative simulation. Lastly, we will provide recommendations for how to engage youth in AI and human rights topics. We aim to share this work to raise awareness about the significance of AI literacy for youth citizenship while providing valuable guidance to educators and policy-makers seeking to implement similar initiatives.

Subject Tracer™ Information Blogs

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/>

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/>

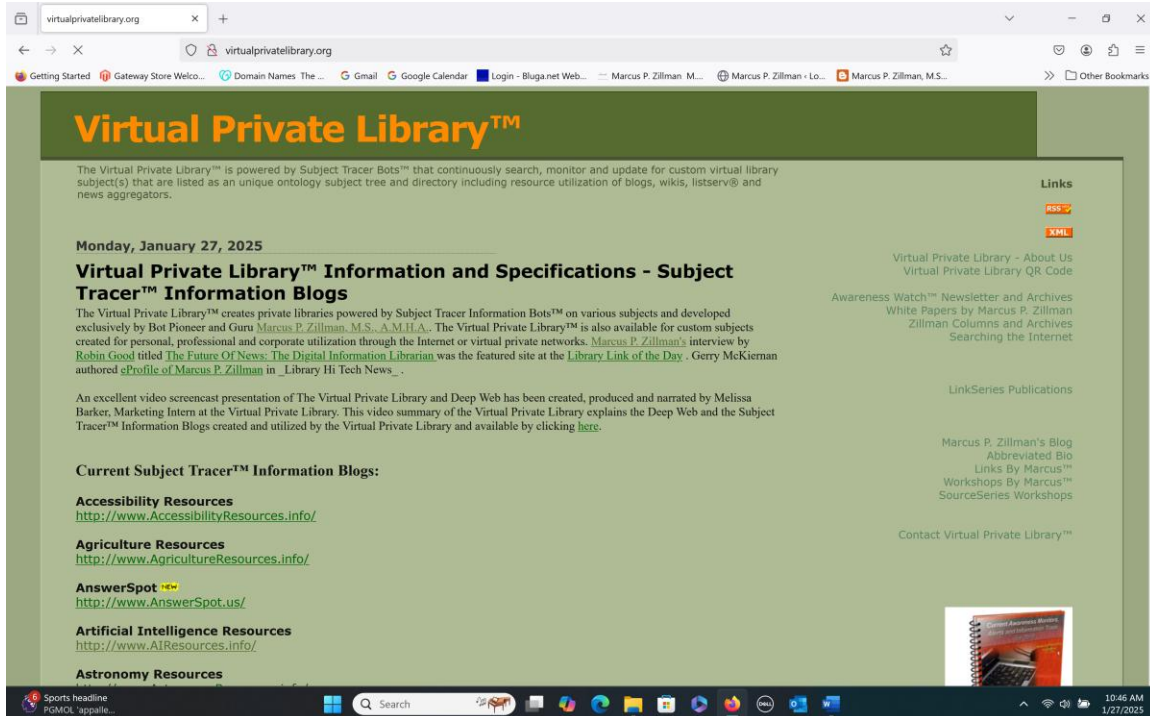


Figure 1: Virtual Private Library™

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

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Marcus P. Zillman's Columns
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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/>

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

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<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.StealthMode.info/>

2024/2025 Publications by Marcus P. Zillman, M.S., A.M.H.A.
<http://www.ZillmanPublications.com/>

2025 Directory of Directories
<http://www.2025DirectoryOfDirectories.com/>

2025 Green Files
<http://www.GreenFiles.info/>

2025 Guide to Searching the Internet

<http://www.SearchingTheInternet.info/>
<http://www.2025SearchingTheInternet.com/>

2025 New Economy Resources

<http://www.2025NewEconomy.com/>

2025 Reference Resources

<http://www.2025ReferenceResources.com/>

Academic and Scholar Search Engines and Sources 2025

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

Artificial Intelligence (AI) Discovery and Detection Tools 2025

<http://www.AIDiscoveryTools.net>

Bots, Blogs and News Aggregators 2025

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

Business Intelligence Online Resources 2022/2023/2024

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

Cloud Computing Resources Primer 2025

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

Current Awareness Tools 2025

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

Deep Web Research and Discovery Resources 2025 Online White Paper

<http://DeepWeb.us/>

eMarketing MiniGuide 2025

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

eReference Library Link Toolkit 2022/2023

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

Fact Check Resources Miniguide 2025

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

Finding Experts By Using the Internet 2022/2023

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



Finding People Resources and Sites 2025

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

Generative AI Resources 2025

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

Healthcare Bots and Subject Directories 2024

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

Knowledge Discovery Resources 2025

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

New Economy Resources 2025

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

New Normal StartUp Resources 2025

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

Online Research Browsers and Data Visualization Tools 2025

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

Online Research Tools 2022/2023/2024

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

Online Social Networking 2022/2023

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

Open DataSets 2025

<http://www.OpenDataSets.info>

Open Educational Resources (OER) Sources 2025

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

Open MetaVerse Resources 2025

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

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2025

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

Open Source Intelligence (OSINT) Miniguide 2025

<http://www.OSINTminiguide.com>

Prompt Catalog 2025 for Artificial Intelligence (AI)

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

Searching the Internet 2025

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

Social Informatics 2022/2023/2024

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

Subject Tracers 2022/2023/2024/2025

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2025

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

Web Data Extractors 2025

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

Web Guide for the New Economy 2025

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

White Papers 2022/2023/2024/2025 by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.WhitePapers.us>

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.

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

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog.

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows.

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.

<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and

news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Current Awareness Monitors, Alerts and Information Traps

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

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps for is available for purchase online and for immediate download. This report is a comprehensive listing of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources

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

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources and is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

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

Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

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

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide

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

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 340 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online



research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, f) Business Intelligence Resources, g) Reference Resources, and h) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.

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

Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence resources and an extremely comprehensive listing of new economy online tools.

