Bot and Intelligent Agent Research Resources 2016

By
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The February 2016 Zillman Column features Bot and Intelligent Agent Research Resources 2016. This is a comprehensive listing of bot and intelligent agent directories, subject guides and index resources and sites available on the Internet. The below list of sources is taken from my Subject Tracer™ Information Blog titled Bot Research and is constantly updated with Subject Tracer™ bots at the following URLs:

http://www.BotResearch.info/

These resources and sources will help you to discover the many pathways available through the Internet to find the latest bot and intelligent agent research resources and sites. This is a terrific way to begin your 2016 learning and knowledge discovery year!! As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently to download the latest freely available bot and intelligent agent research resources white paper.

Figure 1: Bot and Intelligent Agent Research Resources Subject Tracer™ Information Blog
Bot and Intelligent Agent Research Resources 2016:

1st Spot
http://1st-spot.net/topic_agents.html

80legs - Powerful and Economical Service Platform for Crawling and Processing Web Content
http://www.80legs.com/

Agent Construction Tools
http://www.agentbuilder.com/

AgentLand
http://www.agentland.com/

AgentLink
http://www.AgentLink.org/

Agent Model Yields Leadership

Agent Portal AI
http://www.agent.ai/

Agents
http://aitopics.org/

AgentSheets - Authoring Tool to Create Agents
http://www.agentsheets.com/

ALICEBot
http://www.alicebot.org/

Android World
http://www.androidworld.com/index.htm
api.ai - Speech Interface for Apps and Devices
http://api.ai/

Applied Soft Computing
http://www.sciencedirect.com/science/journal/15684946

Article Search API - New York Times Articles 1981 to Present
http://developer.nytimes.com/docs/article_search_api

artoo.js - The Client-Side Scraping Companion
http://medialab.github.io/artoo/

B.4.1 Search Robots - The Robots.txt File
http://www.w3.org/TR/REC-html40/appendix/notes.html#h-B.4.1

BotHunter - Passive Network Monitoring Tool
http://www.BotHunter.net/

Bots, Blogs and News Aggregators
http://www.BotsBlogs.com

ChatterBots
http://www.ChatterBots.info/

Clara - Digital Employee That Schedules Meetings
https://claralabs.com/

Common Crawl - Web Crawl Data Accessed and Analyzed By Everyone
http://commoncrawl.org/

cQuery - Content Query Engine
http://cquery.com/

CrawlTrack - Your Web Statistics Tool
http://www.crawltrack.net/

Create a Crawler - Extract Data From an Entire Website
http://support.import.io/knowledgebase/articles/247570-create-a-crawler
Data Mining Resources
http://www.DataMiningResources.info/

Dataminr - Real-time Information Discovery
http://www.dataminr.com/

DataparkSearch Engine - Full-Featured Open Source Web-Based Search Engine
http://www.dataparksearch.org/

Deep Web Research
http://www.deepwebresearch.info/

Design of a Parallel and Distributed Web Search Engine by Salvatore Orlando, Raffaele Perego, and Fabrizio Silvestri
http://arxiv.org/abs/cs.IR/0407053

Dictionary of Algorithms and Data Structures
http://xlinux.nist.gov/dads//

DiffBot – Get Data From Web Pages Automatically
http://www.DiffBot.com/

Eliza - The Original ChatterBot
http://www-ai.ijs.si/eliza/eliza.html

Ethereum Frontier Release - A Decentralized Software Platform
https://www.ethereum.org/

FAME (Facilitating Agents in Multiculture Exchange) Project

File Information Tool Set (FITS)
http://code.google.com/p/fits/

Foundation for Intelligent Physical Agents
http://www.fipa.org/

FyberSearch
http://www.fybersearch.com/
GeneSys Middleware
http://sourceforge.net/projects/genesys-mw/

Google Guide
http://www.googleguide.com/

Huginn - Your Agents Are Standing By
https://github.com/cantino/huginn

IBM Watson Services

iMacros™ - Browser Based Macro Recorder and Intelligent Agent
http://wiki.imacros.net/Main_Page

Imagination Engines
http://www.imagination-engines.com/

Import.io - Instantly Turn Web Pages Into Data
https://import.io/

Indexing Robot Crawler Checklist

Information Retrieval Intelligence
http://www.miislita.com/

Institute for Human and Machine Cognition (IHMC)
http://www.ihmc.us/

Intellexer - Custom Built Search Engines, Knowledge Management Tools, Natural Language Processing
http://www.intellexer.com/

Intelligent Information Systems Research Laboratory
http://iis.ist.psu.edu/
International Journal of Agent-Oriented Software Engineering (IJAOSE)

KiwiLogic
http://www.kiwilogic.com/

Kngine - Semantic Search and Answer Engine
http://www.kngine.com/

Knowledge Discovery
http://www.knowledgediscovery.info/

LAIR - Laboratory of Applied Informatics Research
http://lair.unc.edu/

List of User-Agents (Spiders, Robots, Crawler, Browser)
http://www.user-agents.org/index.shtml

Minimal-Intelligence Agents for Bargaining Behaviors in Market-Based Environments by Dave Cliff and Janet Bruten

MIT Media Lab: Software Agents
http://agents.media.mit.edu/index.html

Modelling and Mining of Network Information Systems
http://www.mathstat.dal.ca/~mominis/index.html

Motion AI - Artificial Intelligence Made Easy
http://motion.ai/

Mozenda Web Agent Builder - Web Data Extraction
http://www.mozenda.com/

MultiAgent
http://www.MultiAgent.com/

MySpiders
Networks and agents Network (NaN)
http://cnets.indiana.edu/groups/nan/

Neurence - Intelligent Information Platform
http://www.neurence.com/

Nomibot - Bots Scour the Web To Bring You What You Want
http://nomibot.com/

Open Source Web Information Retrieval (OSWIR05)
http://www.emse.fr/OSWIR05/

Oxyus Search Engine
http://sourceforge.net/projects/oxyus/

ResearchKit Framework - Medical Research Apps
https://github.com/ResearchKit

Robo Brain - Large-scale Computational System That Learns From Publicly Available Internet Resources
http://robobrain.me/

RoboEarth - A Worldwide Web for Robots
http://www.roboearth.org/

Robots.Txt Checker - Validator for Robots.txt Files
http://tool.motoricerca.info/robots-checker.phtml

Robots.Txt - Robots Exclusion Standards
http://www.robotstxt.org/

Searchbots - Uniquely Searching the Internet
http://www.searchbots.com/

Search Engine Robots
http://www.jafsoft.com/searchengines/webbots.html

Search Engine Watch News
http://www.searchenginewatch.com/
Search Tools - Information Guides and News
http://www.searchtools.com/

SeerSuite - CiteSeerX Toolkit
http://sourceforge.net/projects/citeseerx/

Semantic Web
http://www.semanticweb.org/

ShoppingBots
http://www.ShoppingBots.info/

Siri - Your Virtual Personal Assistant
http://siri.com/

SiteMaps.org
http://www.SiteMaps.org/

Smarter Bots
http://www.SmarterBots.com/

SocialBuzzBot - The Business and Social Intelligence Search Engine for Information Discovery from Social Communities
http://www.SocialBuzzBot.com/

SocSciBot - Social Sciences Link Analysis Research
http://socscibot.wlv.ac.uk/

Spidering Hacks [book]
http://shop.oreilly.com/product/9780596005771.do

Spinn3r: RSS Content, News Feeds, News Content, News Crawler and Web Crawler APIs
http://spinn3r.com/

STACKS - Social Media Tracker, Analyzer, & Collector Toolkit at Syracuse
https://github.com/bitlabsyr/stack
Structure and Interpretation of Computer Programs - Video Lectures by Hal Abelson and Gerald Jay Sussman
http://groups.csail.mit.edu/mac/classes/6.001/abelson-sussman-lectures/

Supybot, A Superb Python IRC Bot

Swoogle - Semantic Bot
http://swoogle.umbc.edu/

TBot - Windows Live Messenger Translation Bot

TextRunner Search - Searches Hundreds of Millions of Assertions Extracted from 500 Million High-Quality Web Pages
http://openie.cs.washington.edu/

The Intelligent Software Agents Lab
http://www.cs.cmu.edu/~softagents/

The Lemur Toolkit - Language Modeling and Information Retrieval Research
http://www.lemurproject.org/

The Search Engine Project (TSEP)
http://freecode.com/projects/tsep

The Simon Lavern Page
http://www.simonlaven.com/

The Web Robots Pages
http://www.robotstxt.org/orig.html

TSEP - The Search Engine Project
http://www.tsep.info/

UMBC AgentWeb
http://agents.umbc.edu/
UMBC eBiquity
http://ebiquity.umbc.edu/

Webbot - the W3C libwww Robot
http://www.w3.org/Robot/

Web Curator Tool (WCT)
http://webcurator.sourceforge.net/

Web Data Extractors - White Paper Link Compilation
http://www.WebDataExtractors.com/

Web Intelligence Consortium
http://wi-consortium.org/

Web IR & IE
http://www.webir.org/

WolframAlpha Computational Knowledge Engine - Trillions of Pieces of Curated Data and Millions of Lines of Algorithms
http://www.wolframalpha.com/

Zakta - Personal and Social Deep Web Search Engine
http://www.zakta.com/
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/

Agriculture Resources
http://www.AgricultureResources.info/

AnswerSpot
http://www.AnswerSpot.us/

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.info/
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/

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
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™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 54 Subject Tracer™ Information Portals and 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 (18,000+ Postings)
http://www.zillman.us/

Marcus P. Zillman Abbreviated Bio
http://www.zillman.info/

White Papers by Marcus P. Zillman
http://www.WhitePapers.us/

Internet MiniGuides™
http://www.InternetMiniguide.com/

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

Academic and Scholar Search Engines and Sources
http://www.ScholarSearchEngines.com/

Bots, Blogs and News Aggregators
http://www.BotsBlogs.com/

Business Intelligence Online Resources
http://www.BIOnlineResources.info/

Cloud Computing Resources Primer
http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/

Current Awareness Discovery Tools on the Internet

Deep Web Research and Discovery Resources 2016 Article - LLRX and Online White Paper
http://zillman.blogspot.com/2015/12/llrx-deep-web-research-and-discovery.html
http://DeepWeb.us/

eMarketing MiniGuide 2015
http://www.eMaketingMiniGuide.com/

eReference Library Link Toolkit
http://www.eReferenceLibrary.com/

Finding Experts By Using the Internet
http://www.FindingExperts.info/

Finding People Resources and Sites
http://www.FindingPeople.info/
Healthcare Bots and Subject Directories
http://www.HealthcareBots.info/

Knowledge Discovery Resources 2016
http://www.KDResources.info/

New Economy Resources 2016
http://www.NewEconomyResources.com/

Online Research Browsers
http://www.zillman.us/white-papers/online-research-browsers/

Online Research Tools
http://www.OnlineResearchTools.info/

Online Social Networking
http://www.OnlineSocialNetworking.info/

Searching the Internet
http://www.SearchingTheInternet.info/

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

Web Data Extractors
http://www.WebDataExtractors.com/

Web Guide for the New Economy

White Papers 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 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.
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.