

ChatScript Wiki (user guides, tutorials, papers)

ChatScript Guide To Documentation

Copyright Bruce Wilcox, gowilcox@gmail.com

Revision 10/18/2020 cs10.7

ChatScript has a lot of documentation in various manuals, so knowing what to read may seem daunting. Here is an overview.

Basic ChatScript for starters

- What is ChatScript? Overview of the design goals and abilities of CS. Not necessary to read.
- ChatScript Basic User Manual This explains how to run CS, how to understand basic CS ideas like rules, topics, and concepts. A must starting place.
- ChatScript Tutorial A brief step-by-step on creating a chatbot travel agent, written by a CS user.
- ChatScript Memorization A simple explanation of how to “learn” data about the user.
- ChatScript Common Beginner Mistakes Here are a collection of common beginner mistakes.

Predefined Bots

- Bot Harry - basic bot A brief overview of the simple Harry bot and how to make simple modifications. Potentially useful for a beginner read.
- Bot NLTK - NL analysis bot A brief description of how to run the NLTK bot. Not useful for most people, especially if NLTK means nothing to you.
- Bot Stockpile - planner bot A brief description of how to run the Stockpile bot. Not useful for most people. It's about planner capabilities of CS.
- Bot Postgres - postgres bot Illustration of using Postgres database.
- Bot German An illustration of hooking in an external pos-tagger for foreign language support.

Advanced ChatScript

- ChatScript Advanced Concept Manual Once you've master basic CS, this is the place to go next for more on concepts.
- ChatScript Advanced User Manual Once you've master basic CS, this is the place to go next for more on output code.

- ChatScript Advanced User Manual Once you've master basic CS, this is the place to go next for more advanced patterns.
- ChatScript Advanced User Manual Once you've master basic CS, this is the place to go next for more advanced Topics.
- ChatScript Advanced User Manual Once you've master basic CS, this is the place to go next for more information about variables.
- ChatScript Advanced User Manual Once you've master basic CS, this is the place to go next for esoteric advanced subjects.
- ChatScript System Functions Manual A listing of all the functions of CS.
- ChatScript Fact Manual A discussion of how to manipulate facts in CS.
- ChatScript Json ChatScript support for Json
- ChatScript Debugging Manual The features of CS that support debugging, including tracing.
- ChatScript Finalizing a Bot Once you have built a bot, how to polish it and make sure it is "ready". A bot will likely never be complete because you will want to keep improving it.
- ChatScript Overview Input to Output An overview of the process of converting input to output. Not necessary except for really advanced users wanting the appropriate mental model.
- ChatScript Pattern Redux A terse but detailed look at everything involving rule patterns.
- ChatScript System Variables and Engine-defined Concepts Engine-defined Concepts. System Variables. Control over Input. Interchange Variables.
- ChatScript Spelling and Marking Abilities How to control spell correction and marking.
- Installing and Updating ChatScript Installing on Windows, Mac, Linux. Updating ChatScript (advanced).

ChatScript Practicums

Practicums discuss alternate ways of implementing something and how to pick among them.

- Practicum Concepts and Meaning Practical guide to detecting meaning.
- Practicum Control Flow Building more advanced control scripts to guide your bot's processing.
- Practicum Gleaning Choices in how to gather data from user input.
- Practicum Messaging Issues in input and output to the bot.

- Practicum Patterns Issues in pattern matching.
- Practicum Rejoinders Issues in using rejoinders.
- Practicum Spelling and Interjections Issues in spell checking and handling interjections.

Specialized ChatScript

-

Servers and Clients

- ChatScript ClientServer Manual How to configure and run CS as a server. And thinking about CS on mobile.
- ChatScript External Communications How to embedding ChatScript inside another main program, calling programs on the OS from ChatScript, and getting services via the Internet from ChatScript.
- ChatScript Amazon Server How to install CS as a server on Amazon AWS.
-

Esoteric ChatScript

- ChatScript Control Scripts Brief overview of writing your own control scripts
- ChatScript Analytics Debug functions that can dissect log files.
- ChatScript Document Reader How to use CS to acquire information from a document.
- ChatScript Javascript How to write outputmacros in Javascript and call them.
- ChatScript Database Access How to use the Mongo, Postgres, MySQL or Microsoft SQL db directly from CS
- ChatScript Planning How to use CS as an HTN (hierarchical task network) planner.
- ChatScript PosParser How to use grammar/parsing in CS patterns.
- ChatScript Exotica Brief old interesting scripting tips

Papers in order

- Paper - ChatBots 102 My first paper, looking at the flaws of AIML and why I felt I could do better (before Suzette won anything).

- Paper - Pattern Matching for Natural Language Compares CS, AIML, and Facade
- Paper - Suzette The Most Human Computer How our first chatbot came about, won the Loebner's, and differed from AIML.
- Paper - Speaker for the Dead Applying chatbots to manage people's accumulations of papers, photos, etc.
- Paper - Google Talk A talk I gave at Google about my history, CS, and writing code to act out stories
- Paper - Writing a Chatbot Useful discussion on how to think about writing a chatbot
- Paper - ARBOR_ MakingItReal Useful discussion on how to think about writing a chatbot
- Paper - Winning 15 Minute Conversation The conversation (1 of 2) that had our chatbot easily win best 15 minute conversation at ChatBot Battles 2012.
- Paper - Winning the Loebner's Realities of the Loebner competition and additional ideas of english applied to chatbots
- ChatScript Training A slide series on how CS works and how the engine works.