http://www.codeproject.com/Articles/36106/Chatbot-Tutorial

Includes a step-by-step tutorial how you can set up and improve your own chatbot. Although the provided code samples are in C++, the tutorial's descriptions per step can still be useful to develop your own chatbot.

http://www.gamasutra.com/view/feature/6305/beyond\_fa%C3%A7ade\_pattern\_matching\_.php

This reads as a nice introduction to various techniques used to design chatbots.

https://en.wikipedia.org/wiki/Outline\_of\_natural\_language\_processing#Chatterbots

A list of existing chatbots which could be use as an inspiration.

http://www.slideshare.net/amyiris/ai-and-python-developing-a-conversational-interface-using-python

A presentation with information regarding chatbots, what techniques can be used and which popular chatbots are out there.

http://brutal.readthedocs.org/en/latest/index.html

Brutal is a multi-network asynchronous chatbot framework for python. It can be used as the foundation for the chatbot. Documentation seems to be very limited though.

http://www.nltk.org/book/

An in-depth look at Natural Language Processing. NLP involves a machine to understand complete human utterances, at least to the extent of being able to give useful responses to them. The book offers a lot of practical information, containing hundreds of fully-worked examples. It's based on the open source library called the Natural Language Toolkit which can be found here: http://nltk.org/. It includes extensive software, data and lots of documentation. It also contains a few implemented chatbots.

http://sleekxmpp.com/index.html#

SleekXMPP is a XMPP library for python used for the sole purpose of creating a chatbot. This library involves a low number of dependencies and is based on the XMPP message-oriented middleware. Documentation of this library is limited.

https://github.com/Microsoft/BotBuilder

BotBuilder is a SDK of Microsoft which you can use to create intelligent chatbots. It comes with many popular services such as connecting the bot to text/sms, Skype, Office mail, etc. The code and documentation is very extensive and there are a great number of examples available. This SDK is supported by C# and Node.js.