Stella

A sweet, language-aware AI.

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Stella is a JS client that parses natural language and connects to algorithms and APIs to achieve her tasks. She builds a network of words and their meanings and usages to determine the correct action. Her skills range from data mining to summarization to scheduling to research.

Stella is built with d3.js, Bootstrap, jQuery, and HTML5. She parses the WordNet dictionary and a few auxiliary dictionaries. She relies on Google APIs, the MediaWiki Wikipedia API, FB APIs, and much more.

Stella uses special learning algorithms to understand the intricacy of language and the energy of words. Among these are likelihood weighting to calculate the potential meaning of words within their contexts, and TextRank, a text-based analogue of PageRank, which measures the similarity and connectedness of sentences.

Hi, I'm Stella! I'm Dante's personal assistant.

STELLA AI

```
>>        CREATE_KERNEL
>> $      INTEGRATE_WORDNET
>> $      INTEGRATE_SOCIAL_MEDIA
>> $      MINE_DATA
>> $#     DIPLOMATIC_REQUEST_01

>> $?     'Call me Dante Tam'
>> $#     Nice to meet you, Dante Tam!
>> $?     'Send an email to...with subject...'
>> $#     TASK_EMAIL
>> $?     'Research machine learning'
>> $#     TASK_RESEARCH, TASK_DEFINE
```