

MGM - Forced Alignment

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Category description and use cases

Workflow example:

Speech-to-Text > Transcript Editor > Forced Aligner

Output standard

Summary:

JSON Schema

Schema
<pre>{ }</pre>

Sample output

Sample Output
<pre>{ }</pre>

Recommended tool(s)

Gentle

Official documentation: [Gentle](#) on Github

Language: REST API or Python on command line

Description:

Cost: Free (open source)

Social impact:

Notes:

Installation & requirements

Two options for installation:

1. Install Docker image to run webservice, then use API
2. Download source code and run bash installation script, then use as a command line python program

Parameters

Input formats

Audio (mp3, wav, possibly other formats) and transcript (plain text).

Example Usage

<tool name> Example

```
curl -F "audio=@audio.mp3" -F "transcript=@words.txt" "http://localhost:8765/transcriptions?async=false"#
ORpython3 align.py audio.mp3 words.txt
```

Example Output

Gentle Output

```
{
  "transcript": "Now, let me looking at the Congress, uh, as one of the institutions in trouble, uh, to some
  degree, not the same degree as others, perhaps, but still part of the whole mail.",
  "words": [
    {
      "alignedWord": "now",
      "case": "success",
      "end": 38.29,
      "endOffset": 3,
      "phones": [
        {
          "duration": 0.12,
          "phone": "n_B"
        },
        {
          "duration": 0.01,
          "phone": "aw_E"
        }
      ],
      "start": 38.16,
      "startOffset": 0,
      "word": "Now"
    },
    {
      "alignedWord": "let",
      "case": "success",
      "end": 38.65,
      "endOffset": 8,
      "phones": [
        {
          "duration": 0.05,
          "phone": "l_B"
        }
      ],
      ...
    }
  ]
}
```

Other evaluated tools

Tool Name

Official documentation: <link>

Language:

Description:

Cost: <\$ OR Free (open source)>

Social impact:

Notes:

Installation & requirements

Parameters

Input formats

Example Usage

<tool name> Example

Example Output

<tool name> Output

Evaluation summary