# Machine Translation in Argos Translate (2021)

# Sequence to sequence model

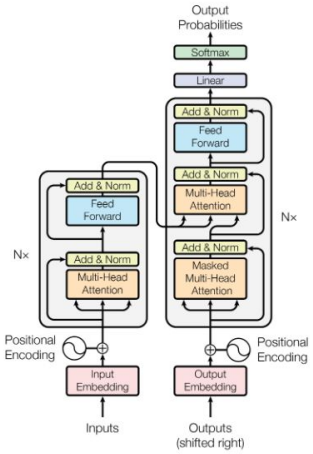



Figure 1: The Transformer - model architecture.

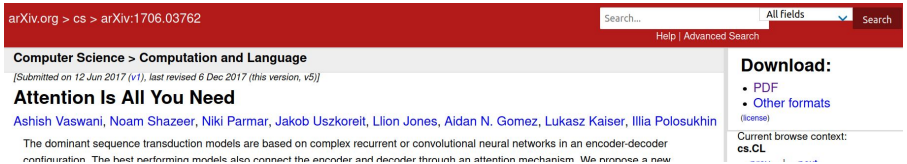
<Hello> < my> < name> < is> < John> <.>

↕

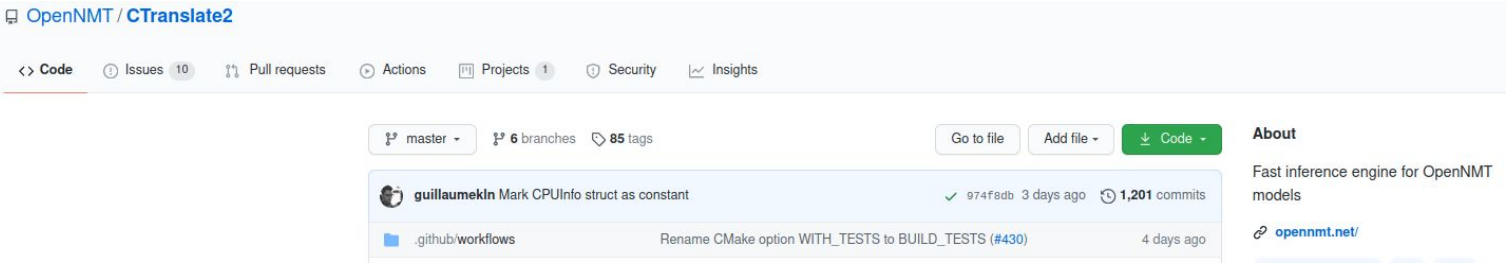
<Hola> < me> < llamo> < John> <.>

NMT OpenNMT

An open source neural machine translation system.



# Inference


OpenNMT / CTranslate2
Watch 16
Unstar 142
Fork 39
Code
Issues 10
Pull requests
Actions
Projects 1
Security
Insights
master
6 branches
85 tags
Go to file
Add file
Code
guillaumekln Mark CPUInfo struct as constant
974f8db 3 days ago
1,201 commits
.github/workflows
Rename CMake option WITH_TESTS to BUILD_TESTS (#430)
4 days ago
About
Fast inference engine for OpenNMT models
opennmt.net/

Argos Translate
Manage Packages
About
English
↔
Spanish
Hello World!
¡Hola Mundo!

# Data

## OPUS ... the open parallel corpus

OPUS is a growing collection of translated texts from the web. In the OPUS project we try to convert and align free online data, to add linguistic annotation, and to provide the community with a publicly available parallel corpus. OPUS is based on open source products and the corpus is also delivered as an open content package. We used several tools to compile the current collection. All pre-processing is done automatically. No manual corrections have been carried out.

The OPUS collection is growing! Check this page from time to time to see new data arriving ...
Contributions are very welcome! Please contact <jorg.tiedemann@helsinki.fi >

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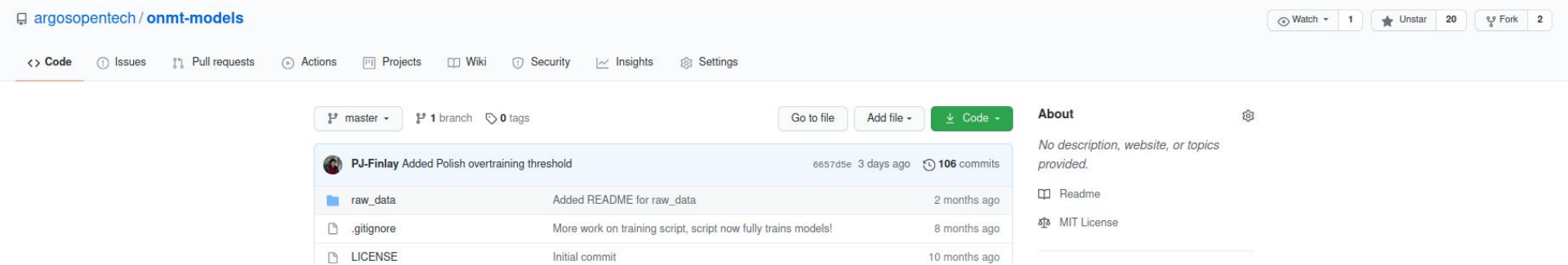
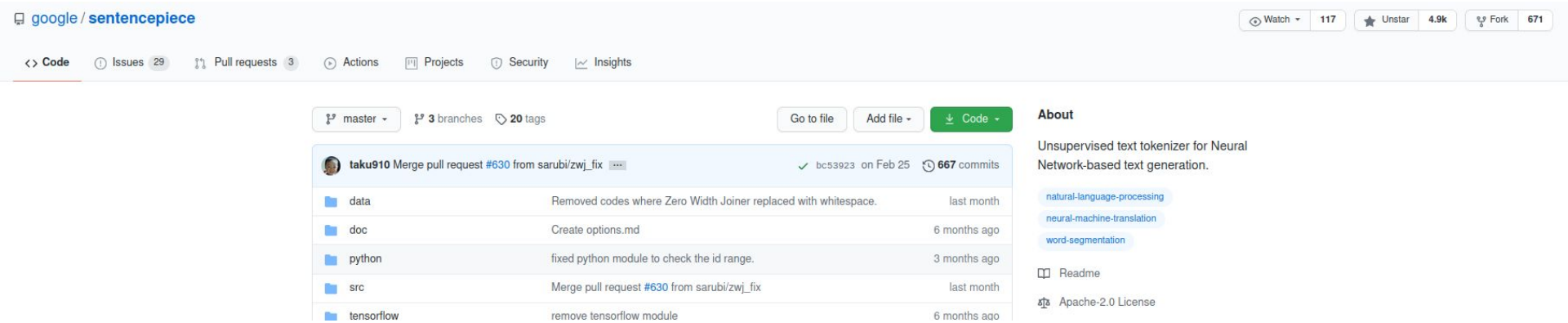
## kaikki.org

# Data processing




<define> veracious → being in the habit of telling the truth

# Tokenization

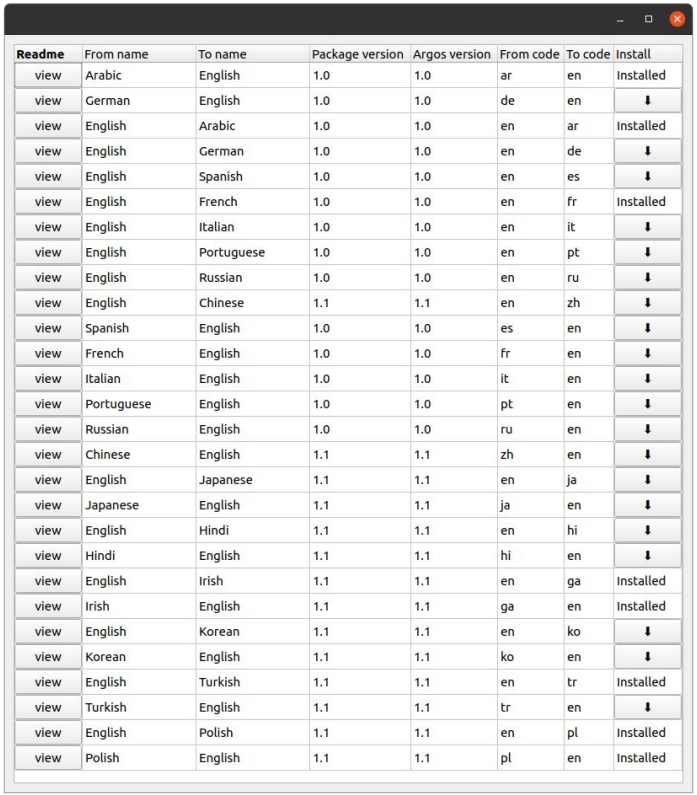



<H> <ello> <,> <_the> <_cat> <_is> <_un> <f> <riendly> <.>

# Sentence boundary detection

Dr. Kang and Ph.D. Doe are arriving at 2. Is P.J. going to be there?

# Package Management



| Readme | From name | To name | Package version | Argos version | From code | To code | Install |
|---|---|---|---|---|---|---|---|
| view | Arabic | English | 1.0 | 1.0 | ar | en | Installed |
| view | German | English | 1.0 | 1.0 | de | en | ⬇ |
| view | English | Arabic | 1.0 | 1.0 | en | ar | Installed |
| view | English | German | 1.0 | 1.0 | en | de | ⬇ |
| view | English | Spanish | 1.0 | 1.0 | en | es | ⬇ |
| view | English | French | 1.0 | 1.0 | en | fr | Installed |
| view | English | Italian | 1.0 | 1.0 | en | it | ⬇ |
| view | English | Portuguese | 1.0 | 1.0 | en | pt | ⬇ |
| view | English | Russian | 1.0 | 1.0 | en | ru | ⬇ |
| view | English | Chinese | 1.1 | 1.1 | en | zh | ⬇ |
| view | Spanish | English | 1.0 | 1.0 | es | en | ⬇ |
| view | French | English | 1.0 | 1.0 | fr | en | ⬇ |
| view | Italian | English | 1.0 | 1.0 | it | en | ⬇ |
| view | Portuguese | English | 1.0 | 1.0 | pt | en | ⬇ |
| view | Russian | English | 1.0 | 1.0 | ru | en | ⬇ |
| view | Chinese | English | 1.1 | 1.1 | zh | en | ⬇ |
| view | English | Japanese | 1.1 | 1.1 | en | ja | ⬇ |
| view | Japanese | English | 1.1 | 1.1 | ja | en | ⬇ |
| view | English | Hindi | 1.1 | 1.1 | en | hi | ⬇ |
| view | Hindi | English | 1.1 | 1.1 | hi | en | ⬇ |
| view | English | Irish | 1.1 | 1.1 | en | ga | Installed |
| view | Irish | English | 1.1 | 1.1 | ga | en | Installed |
| view | English | Korean | 1.1 | 1.1 | en | ko | ⬇ |
| view | Korean | English | 1.1 | 1.1 | ko | en | ⬇ |
| view | English | Turkish | 1.1 | 1.1 | en | tr | Installed |
| view | Turkish | English | 1.1 | 1.1 | tr | en | ⬇ |
| view | English | Polish | 1.1 | 1.1 | en | pl | Installed |
| view | Polish | English | 1.1 | 1.1 | pl | en | Installed |

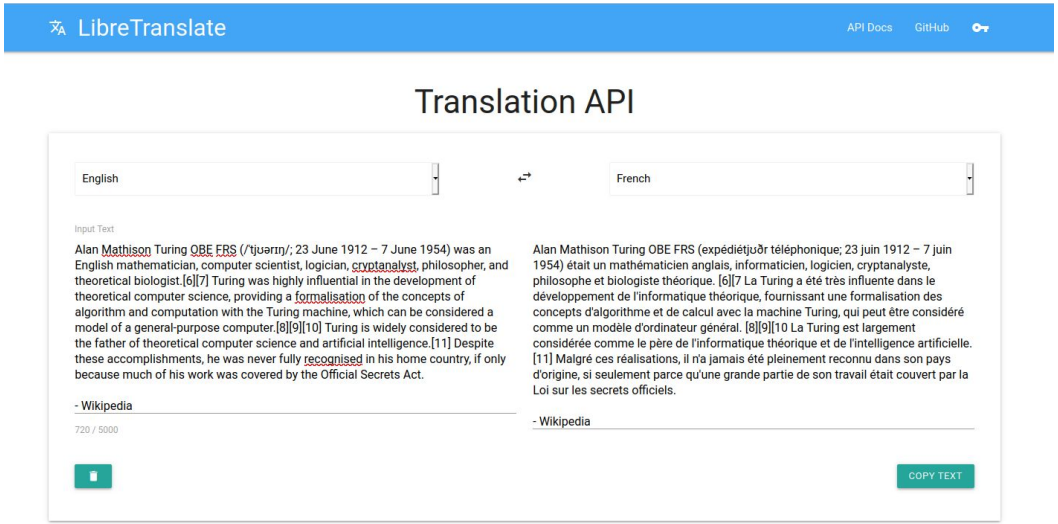
# Peer to peer

**InterPlanetary File System**

| | |
|---|---|
| **Original author(s)** | Juan Benet and Protocol Labs[1] |
| **Developer(s)** | Protocol Labs |
| **Initial release** | February 2015; 6 years ago[1] |

| | |
|---|---|
| **Original author(s)** | Bram Cohen |
| **Developer(s)** | BitTorrent, Inc. |
| **Initial release** | July 2, 2001; 19 years ago[1] |

# Web

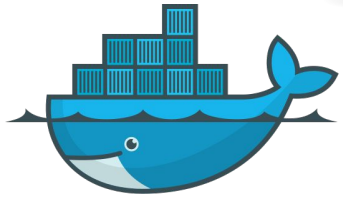

LibreTranslate
API Docs
GitHub
Translation API
English
French
Input Text
Alan Mathison Turing OBE FRS (/ˈtjʊərɪŋ/; 23 June 1912 – 7 June 1954) was an English mathematician, computer scientist, logician, cryptanalyst, philosopher, and theoretical biologist.[6][7] Turing was highly influential in the development of theoretical computer science, providing a formalisation of the concepts of algorithm and computation with the Turing machine, which can be considered a model of a general-purpose computer.[8][9][10] Turing is widely considered to be the father of theoretical computer science and artificial intelligence.[11] Despite these accomplishments, he was never fully recognised in his home country, if only because much of his work was covered by the Official Secrets Act.
- Wikipedia
720 / 5000
Alan Mathison Turing OBE FRS (expédiétjuər téléphonique; 23 juin 1912 – 7 juin 1954) était un mathématicien anglais, informaticien, logicien, cryptanalyste, philosophe et biologiste théorique. [6][7 La Turing a été très influente dans le développement de l'informatique théorique, fournissant une formalisation des concepts d'algorithme et de calcul avec la machine Turing, qui peut être considéré comme un modèle d'ordinateur général. [8][9][10 La Turing est largement considérée comme le père de l'informatique théorique et de l'intelligence artificielle. [11] Malgré ces réalisations, il n'a jamais été pleinement reconnu dans son pays d'origine, si seulement parce qu'une grande partie de son travail était couvert par la Loi sur les secrets officiels.
- Wikipedia
COPY TEXT

Flask
web development,
one drop at a time

python™

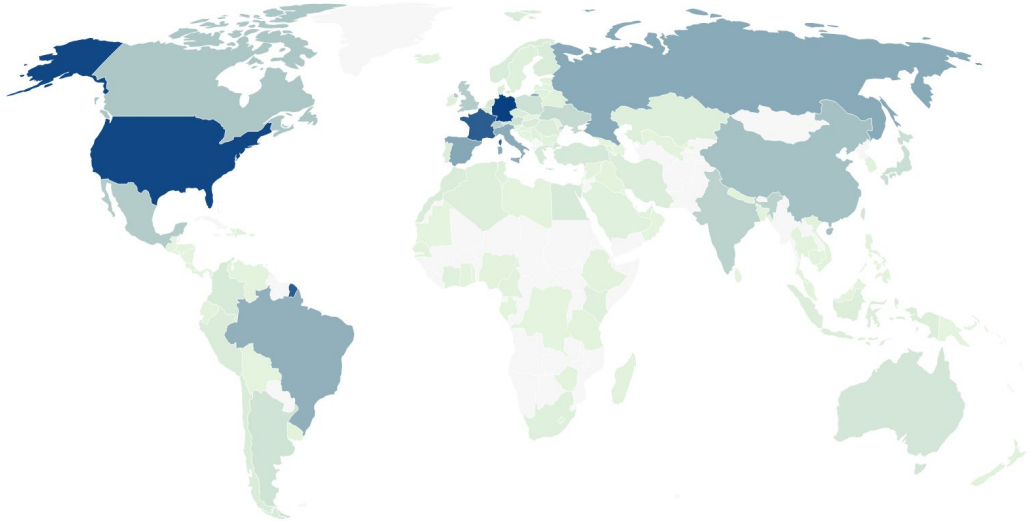
C#

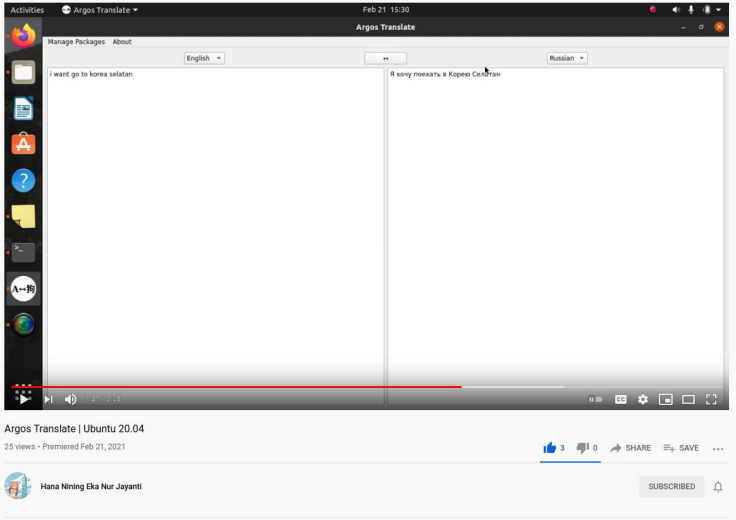
node
JS



# Argos Translate

Territories 112






Argos Translate | Ubuntu 20.04

25 views • Premiered Feb 21, 2021

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