Alena YAKAVETS
Cécile MACAIRE
Chanoudom PRACH
Ludivine ROBERT

# Software Project

NLP 2nd year 2020-2021

September 15, 2020

# Our Team

Alena YAKAVETS
Linguistics

Cécile MACAIRE
Computer Science

Chanoudom PRACH
Computer Science

Ludivine ROBERT
Linguistics

## Our Project

MULTILINGUAL TEXT-TO-SPEECH SYSTEM

# Our Project

## Two major challenges:

1. Language identification in textual content.
2. Developing a text-to-speech system for multiple languages.

## Major tasks:

a) Preprocessing of speech and textual data.
b) Training language identification classifiers based on a sequence-to-sequence classifier.
c) Training text-to-speech systems for target languages.

# Task Tracker

✓ 1. Choose team and project

✓ 2. Create intro presentation

⋯ 3. Read referenced materials, build up bibliography

⋯ 4. Find Corpus

⋯ 5. Deepen project idea and requirements

6. Create project milestones and planning

7. Execute

8. Present final results

# Potential Usage

- Help for people with vision, hearing or reading impairments

- Language learning / pronunciation

- Digital assistant / reader

- Customer support bots

- GPS navigator

- Character voiceover (animation, movies, videogames)

- Speech-enabled products and apps

- Any other human impersonation: audiobooks, specialized assistants, robots, imaginary friends

# Thank you for your attention!

DO YOU HAVE ANY QUESTIONS?