

Interactive Generative AI

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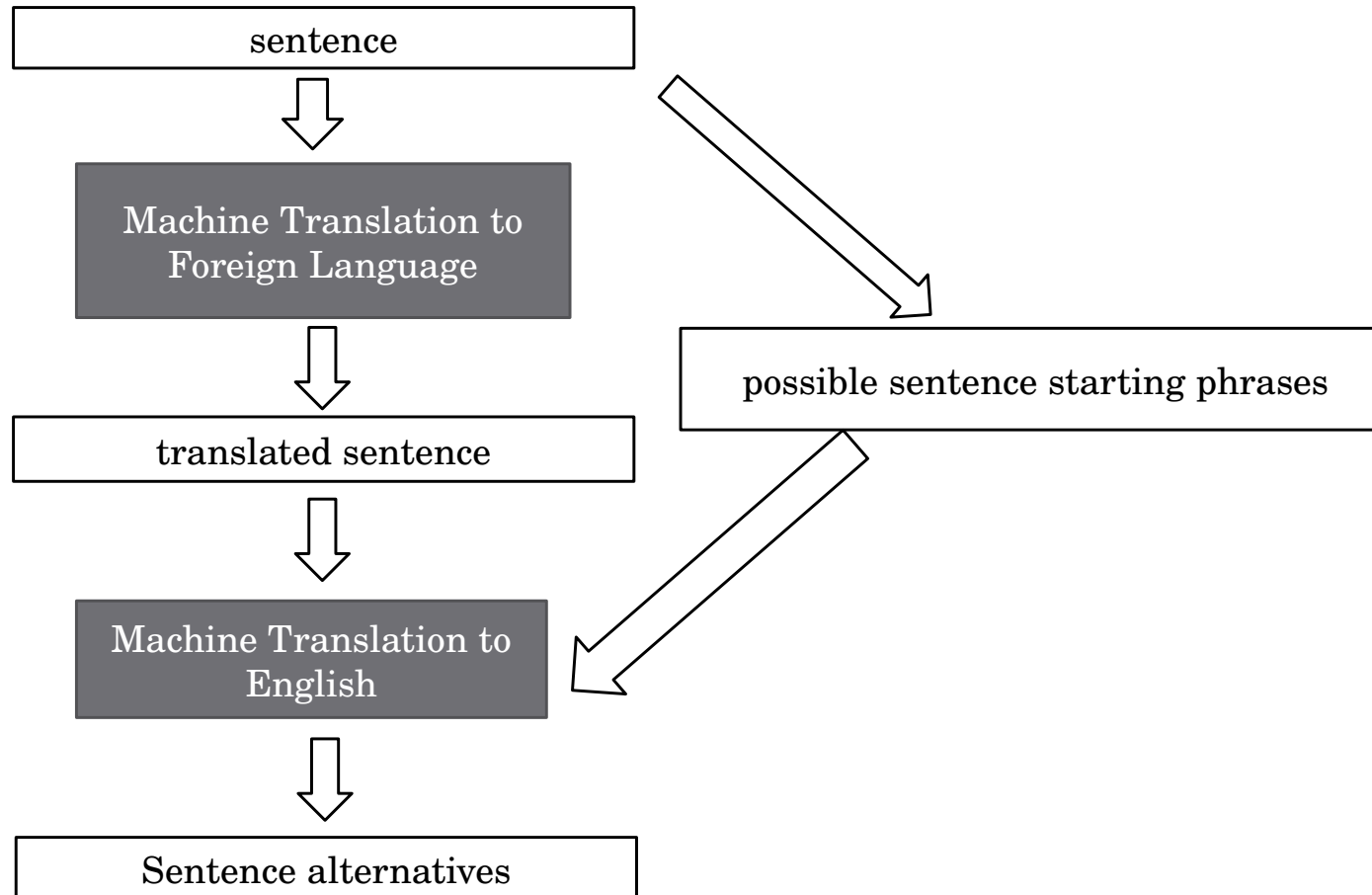
Advisor: Professor Arnold

Vision

While writing, variety in vocabulary and sentence structure is vital in staving off monotony and retaining reader interest. There are always multiple ways in which a sentence can communicate the same idea yet switching between various structures can be difficult even for experience writers. We are creating a tool which can generate these various sentence alternatives to allow writers to experiment with different manners of conveying their meaning in a sentence.

Overview

- Extension of April Volzer's summer research project
- Vue.js frontend with Flask Python backend
- Employs MarianMT pretrained model using Hugging Face's transformer framework



Current Progress

- Competency with current code base
- Documentation
- Multiple language translation support
- Bug fixes/Backend improvements

Planned Work

- Multiple language averaging
- Drag and drop
- Phrase replacement
- Increase reliability
- Update UI
- User testing