Khoa Ho Anh

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Summary

I am an alumnus of the University of Natural Sciences (under the Vietnam National University, Ho Chi Minh City). My major is computer science. With my love for Artificial Intelligence, I have been constantly studying and working hard in this field. I have 1 year experience working with Chatbot. I hope that a suitable job in the not-too-distance future will continue to fuel my passion.

Education

Bachelor of Science, Computer Science   *Sep 2017 – May 2022*

VNUHCM - University of Science | GPA: 3.24   HCMC, Vietnam

- *Thesis*: Integrating WordNet into neural network machine translation (July 2021).

Thesis

Integrating WordNet into neural network machine translation   *Dec 2020 – July 2021*

- Improved LSW algorithm and increased 0.92 BLEU score.
- Optimize wnet2vec memory and training time and achieve better word embbedding efficiency.
- Cluster synsets (set of synonyms in Wordnet) and feed this information into word representation. Helps improve 1.55 BLEU.
- Framework: Torch
- Gaining knowledge: Know how to research and experiment in deep learning.

Experience

Working with rasa framework to train chatbot   *Dec 2021 – July 2022*

- Company: **Zalo**
- Enforce custom trainer identifiers, definitions and Rasa policies.
- Install the script reply as a request only by rules.
- Improvements in data enhancement using Rasa.
- Improve response processing speed when the conversation is long.
- Use the Rasa X tool to deploy a chatbot for training and data collection.
- Using the API command of Rasa X for the process that using Python just got easier.
- Framework: Torch
- Gaining knowledge: How to create a chatbot with Rasa and personalize on demand.

Skills

Programing languages: Python, Bash Shell
Libraries & Frameworks: PyTorch, TensorFlow/Keras, Scikit-learn, Huggingface, Rasa
Languagues: Vietnamese, English (reading skills may be required)