Yuxuan Jiang

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Education

- **New York University** — New York
  Master of Science in Computer Science; GPA:3.5/4.0 — *Jan. 2021 – Dec. 2022*

Experience

- **Xiaomi** — Beijing,China
  Machine Learning Engineer Intern — *Jul 2020 – Dec 2020*
  - **Constructing a Chinese commonsense conversation knowledge graph**: It's a common sense that the one-to-multi problem confused the dialogue system which do big harm to the performance. So I constructing a knowledge graph which greatly improves the utility of origin dataset.
- **BLCU National language resource monitoring Center** — Beijing,China
  Research Assistant — *Jan 2019 - Jun 2020*
  - **Spelling Check**: By redefining the marginal of keyboard to get significant effort on Spell check task.Greatly reduce the false touch rate of the 26-key mobile phone input method.
  - **Semantic Labeling**: Using span-prediction on Semantic role labeling task.Trained an end2end model which multitasks on syntactic learning.
  - **Cloud Error Correction**: Experiment several kind of tradition models to reduce the cloud computing error correction. Write an report of these methods' performance.

Publications

- **Buzzword discovering technology based on DCC corpus ,CLSW2021**: By using InfluxDB which took good use of time information and reduce great amount of time dealing with data. Using logistic regression to filt out target words with high recall and precesion.

Projects

- **Better prediction on answerability with rewritten questions**: zero-shot learning between different question answering datasets performs surprisingly poor and we find the cause occurs during annotation.Subjective factors such as ambiguity have strong negative effects and leads to such result. In this work, we post a method to automatically figure out such injustice questions and rewriting origin questions into unambiguous ones. New questions have less ambiguity and less undersensitivity. Automatically question rewriting helps to build a uniform criteria, in which model should learn better about predicting whether a question is unanswerable and have better performance on predicting answerable questions at the same time.
- **Automatical evaluation measurement for generated narrative story**: Story generation developed rapidly in recent years but the now exist evaluating metrics are too naive and cannot help improve the quality of text generated. Therefore, I post a new methhod which automatically evaluated the narrative of generated text, which also helps point out some new directions that could be pursued.

Programming Skills

- **Languages**: Python, C++ **Technologies**:Pytorch,Tensorflow 2.x,Keras