Yuxin Wang

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EDUCATION

KU Leuven (Erasmus)   2019.08 - 2020.09

Major in Uncertainty in Artificial Intelligence | GPA: 14.6/20 (Cum Laude/Distinction)

University of Lyon (University Jean Monnet)   2018.09 - 2020.11

Major in Machine Learning and Data Mining | GPA: 15.6/20 (Bien/High Honors) | Rank: 4/27

Qingdao University of Science and Technology   2013.09 - 2017.07

Bachelor in Applied Mathematics | GPA: 83.6/100 | Major: 86.7/100 | Rank: 8/68

WORKING EXPERIENCE

Locally-Aggregated Sentence Embeddings   Language Intelligence Lab, KU Leuven

Language: Python   Framework: Pyotrch   2020.02 - 2020.08

- Propose a cluster-based method to generate sentence embeddings.
- Use intra-relationships of clusters to capture semantic similarities of sentences.
- Achieve state-of-the-art performance on Semantic Text Similarity tasks among non-parameterized methods.

Probabilistic Modeling for Temporal Motif Mining   Lab Hubert Curien, France

Language: Python   Module: Pyro (a probabilistic programming module)   2019.03 - 2019.06

- Infer recurrent sequential patterns from the temporal data.
- Extended PLSA/LDA topic models to the problem and provided the theoretical solution of the EM algorithm to the model.
- By optimizing the prior distribution, the convergence rate of the EM algorithm is improved by 60%.
- Gave an oral presentation at EUR MANUTECH-SLEIGHT 2019.

PROJECTS

Video Watermarking in Wavelet Domain Based on Fractal Theory   Qingdao, China

Project Leader   China Undergraduate Innovation Training Program   2016.04 - 2016.12

- Combined wavelets with the fractal theory to ensure that digital watermark's False Alarm Rate and Missed Detection Rate were less than 1%.
- Applied for the software copyright.

HONORS AND AWARDS

- 2020 France ERASMUS + Internship Scholarship (top 0.1%)   2020.02
- 2019 France Regional International Student Scholarship (top 0.1%)   2019.07
- The First Prize of National Post-Graduate Mathematical Contest in Modeling   2015.12
  Most Participants are masters and PhDs | Rank: 21/6355
- 2015 QUST Science and Technology Innovation Scholarship (top 1%)   2015.12
- The First Prize of China Undergraduate Mathematical Contest in Modeling   2015.10

SKILLS

Language skills: Mandarin(native); English(fluent); French(basic)

Technical: Python, R, MATLAB