

# Yuxin Wang

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## EDUCATION

<b>KU Leuven (Erasmus)</b>	2019.08 - 2020.09
<i>Major in Uncertainty in Artificial Intelligence / GPA: 14.6/20 (Cum Laude/Distinction)</i>	
<b>University of Lyon (University Jean Monnet)</b>	2018.09 - 2021.01
<i>Major in Machine Learning and Data Mining / GPA: 15.6/20 (Bien/High Honors) / Rank: 4/27</i>	
<b>Qingdao University of Science and Technology</b>	2013.09 - 2017.07
<i>Bachelor in Applied Mathematics / GPA: 83.6/100 / Major: 86.7/100 / Rank: 8/68</i>	

## WORKING EXPERIENCE

<a href="#"><u>Locally-Aggregated Sentence Embeddings</u></a>	Language Intelligence Lab, KU Leuven
Language: Python      Framework: Pytorch	2020.02 - 2020.08
<ul style="list-style-type: none"><li>Propose a cluster-based method to generate sentence embeddings.</li><li>Use intra-relationships of clusters to capture semantic similarities of sentences.</li><li>Achieve state-of-the-art performance on Semantic Text Similarity tasks among non-parameterized methods.</li></ul>	
<a href="#"><u>Probabilistic Modeling for Temporal Motif Mining</u></a>	Lab Hubert Curien, France
Language: Python      Module: Pyro (a probabilistic programming module)	2019.03 - 2019.06
<ul style="list-style-type: none"><li>Infer recurrent sequential patterns from the temporal data.</li><li>Extended PLSA/LDA topic models to the problem and provided the theoretical solution of the EM algorithm to the model.</li><li>By optimizing the prior distribution, the convergence rate of the EM algorithm is improved by 60%.</li><li>Gave an oral presentation at EUR MANUTECH-SLEIGHT 2019.</li></ul>	

## PROJECTS

<b><u>Video Watermarking in Wavelet Domain Based on Fractal Theory</u></b>	Qingdao, China
Project Leader      China Undergraduate Innovation Training Program	2016.04 - 2016.12
<ul style="list-style-type: none"><li>Combined wavelets with the fractal theory to ensure that digital watermark's False Alarm Rate and Missed Detection Rate were less than 1%.</li><li>Applied for the software copyright.</li></ul>	

## 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 Most Participants are masters and PhDs   Rank: 21/6355	2015.12
• 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