

JIAJUN TANG

Tianjin, China

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EDUCATION

Tianjin Polytechnic University

BEng in Computer Science (Elite Class of Artificial Intelligence)

GPA: 3.56/4.00

Tianjin, China

Sep. 2016 - Present

HONORS

Three years of Deans List, 2016 - 2019

Three years of Merit Scholarship, 2016 - 2019

PROJECTS

Image caption generation algorithm based on attention mechanism

Nov. 2019 - Present

The attention mechanism can quickly capture the information that needs to be focused on in the picture, thus improving the accuracy of subtitles. We are committed to proposing a more complete attentional mechanism

Apply attention mechanism to singing voice separation

Aug. 2019 - Oct. 2019

I proposed an end-to-end neural network based on self-attention layer, which focuses on the singing voice separation task. It works on spectrogram domain, which can separate songs into accompaniments and vocals; Compared with the baselines, the evaluation metric of our model is greatly improved while the number of model parameters is significantly reduced.

TECHNICAL STRENGTHS

Programing Language

Python, Java, C

Programing Framework

TensorFlow, PyTorch

GitHub

<https://github.com/sandwas>

EXPERIENCE

Student at TGU

Sep. 2016 - Present

Supervised by Prof. Jianmin Wang

MLA 2019

Tianjin, China

The 17th China conference on machine learning and its applications

Student Research Assistant at Tianjin Key Laboratory of Autonomous Intelligence Technology and Systems

Oct. 2019 - Present

Explore reinforcement learning in computer vision and nlp

RESEARCH INTERESTS

Machine Learning, Deep Learning, NLP

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Strong motivational and leadership skills.

Ability to work as an individual as well as in group.