

Yixiao Zhang

UNDERGRADUATE STUDENT

University Of Electronic Science and Technology of China (UESTC), 985, 211

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Education

University of Electronic Science and Technology of China(UESTC)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

• GPA: 3.81/4, Average Score: 87.2/100, Ranking: 20/262

Chengdu, P.R.China

Sept. 2015 - Exp. Jun. 2019

Research Experiences

(Offer) Natural Language Computing - Microsoft Research Asia

RESEARCH INTERN

• Having received offer from MSRA. Research topic: Neural music generation.

Beijing, P.R. China

Exp. Oct. 2018 - Exp. Jun. 2019

University of Lethbridge, Mitacs Globalink Program 2018

RESEARCH ASSISTANT

- Research assistance under supervision of Prof. Yllias Chali.
- Research Topic: Abstractive document summarization.

Lethbridge, Alberta, Canada

Jul. 2018 - Oct. 2018

Institute of Intelligent Learning Science and Applications of UESTC

UNDERGRADUATE RESEARCH PROGRAM

- Research assistant in Natural Language Processing under supervision of Prof. Qu.
- Having experience in document summarization, symbolic music generation, etc.

Chengdu, P.R. China

Jun. 2016 - Jun. 2018

Programs

Abstractive Text Summarization by Using Subsidiary Neural Language Model

THE FIRST AUTHOR & CORRESPONDING AUTHOR

- In this paper, we propose a joint model that add a neural network language model with a separate attention mechanism on the end of attention-based encoder-decoder framework to improve the performance of generated sentences. Experiments show that the proposed model performs more efficient than original encoder-decoder network.
- Rejected from NLPCC 2018. Now I'm preparing to re-submit this paper.

Chengdu, P.R.China

A Music Generation Model with Emotion Extraction and DCGAN

TEAM LEADER & CODER, INNOVATION FUNDING OF SCHOOL OF CSE

- Built a music generation model, which is combined by two neural network units.
- User can input a sentence or an image, then emotion analysis module extracts a emotion vector. The music generation module receives the vector, and generate background music in different styles.
- Used Convolutional Neural Network, Cognitive Service, Deep Convolutional Generative Adversarial Network.
- 2000 CNY

Chengdu, P.R.China

Apr. 2017 - Sept. 2017

A Music Generation Model Based On Reinforcement Learning and GAN

TEAM LEADER, MICROSOFT STUDENT CLUB PROJECT, UNDER THE SUPERVISION OF CHAO CHEN, MSRA

- Transformed the reinforcement learning model SeqGAN to the field of music generation. Used Nottingham Dataset, and fine-tuned key parameters.
- Results are used in my independent game program in Imagine Cup 2018, which is finalist in the final of the Sichuan regional competition
- <https://github.com/ldzhangyx/Music-Generation-via-SeqGAN>

Chengdu, P.R.China

Dec. 2017 - Feb. 2018

Scholarships & Awards

2018 Mitacs Globalink Graduate Fellowship, CAD 15,000

2017 Renmin Scholarship 2017, The Second Class in 2017

2016 Renmin Scholarship 2016, The Third Class in 2016

Applied in Jan. 2019

Chengdu, P.R.China

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Extracurricular Activity

Microsoft Student Club in UESTC

PRESIDENT SINCE 2017

Chengdu, P.R. China

Sept. 2015 - PRESENT