

JIARUI GAO

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EDUCATION

School of Computer Science, Fudan University Sept 2014 - present
Bachelor in Computer Science and Technology, Outstanding Student Honor Program
GPA: 3.54/4.0, Rank: 19/118, Major GPA: 3.66/4.0

PUBLICATIONS

Jiarui Gao, Yanwei Fu, Yu-Gang Jiang, and Xiangyang Xue. *Frame-Transformer Emotion Classification Network*, In ACM International Conference on Multimedia Retrieval(ICMR), 2017

- Propose FT-EC-net capable of solving emotion recognition, emotion attribution and emotion-oriented summarization simultaneously.
- Re-annotate the Ekman6 dataset as a good benchmark for emotion attribution task.
- Code published on *Github*.

Guoyun Tu, Yanwei Fu, **Jiarui Gao**, Boyang Li, Yu-Gang Jiang and Xiangyang Xue. *A Multi-task Neural Approach for Emotion Attribution, Classification and Summarization*, Under review of IEEE Transactions on Multimedia

- Propose BEAC-Net, an end-to-end trainable neural architecture that tackles emotion attribution and classification simultaneously with significant performance improvements.
- Propose an efficient dynamic programming method for video summarization based on the output of A-Net.

EXPERIENCE

BigVid Lab, Fudan University Nov 2015 - present
Research assistant supervised by Prof. Yanwei Fu & Prof. Yu-gang Jiang

Video Emotion Recognition and Detection

- Xiyuan project “Video Multi-emotion Recognition” funded by Fudan’s Undergraduate Research Opportunities Program.
- Implement video key frame extraction based on frame encoding approach and visual attention model.

Zero Shot Learning for Image Recognition

- An approach for fine-tuning semantic space.

Corporate & Funding Technology, Morgan Stanley Jul 2017 - Sept 2017
Summer analyst supervised by Xiaozhong Zhang

Flow Engine for Outside Business Interest System

- Front-end: Graph algorithm design and implementation in AngularJS2.0.
- Back-end: Database design and implementation in Java Spring Framework and DB2.

Shanghai Grassroots Community Oct 2014 - Dec 2015
Volunteer on teaching children of migrant workers

SELECTED AWARDS

Xiyuan Scholarship, Fudan University May 2017
Second Prize of the Scholarship for Outstanding Students at Fudan University Sept 2017

SIDE PROJECTS

Encrypted File System - Implement a file system which allows users to store and share data through an untrusted server. (*Github*)

Speech Recognition for Words - Course project for Digital Signal Processing and Speech Signal Analysis utilizing MFCC feature and LSTM in Keras. (*Github*)

SKILLS

Programming Languages: Python, Matlab, C/C++, Java, Typescript **Libraries:** Tensorflow, Keras
TOEFL: 107 (R29 L30 S23 W25) **GRE:** 320 + 3.5 (V152 Q168 AW3.5)