Mengxiao LIN

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EDUCATION

2014.9 - 2018.7
Undergraduate at SCHOOL OF DATA SCIENCE, **Fudan University**
Received **Bachelor of Engineering** from Fudan University.
Selected courses: Statistical Learning and Machine Learning, Numerical Algorithms, Introduction to Computer System, Introduction to Database
Overall GPA: 3.45/4.0. Rank: 8/34

EXPERIENCE

2018.7 - PRESENT
Researcher at **Megvii Technology Ltd.(Face++)**
Base model group at Megvii Research. Focus on deep learning approaches for human pose estimation and detection in crowded scene.

2018.1 - 2018.6
Main Contributor of **FudanParser** presented at **CoNLL 2018 Shared Tasks** We implemented a graph based dependency parser and utilized joint training for cross-lingual parsing on more than 80 languages (some do not contain training samples) in *CoNLL 2018 Shared Tasks: Multilingual Parsing from Raw Text to Universal Dependencies* with **PyTorch**.
Our submission outperformed baseline and placed 17th in the rank list.

2017.1 - 2017.6
Research Intern at **Megvii Technology Ltd.(Face++)**
Focus on object detection task in computer vision, especially human detection in crowded scene.
Implemented high-performance modules (ROIAlign, ChannelShuffle and so on) with **CUDA** and provided a Python interface in the company's toolkit.
Submitted 2 China invention patent applications.
Mentor: Dr. Xiangyu Zhang

2015.7 - 2018.6
Research Assistant at **Fudan University**
Serving as a research assistant for Dr. Xiaoqing Zheng in Fudan University.
My work here focus in word representation learning and dependency parsing.

PUBLICATIONS AND TECHNICAL REPORTS

1. Xiangyu Zhang, Xinyu Zhou, **Mengxiao Lin** and Jian Sun. ShuffleNet: An Extremely Efficient Convolutional Neural Network for Mobile Devices. *Proceedings of the IEEE Conference on Computer Vision and Paern Recognition (CVPR)*, 2018.
2. Xiaoqing Zheng, Jiangtao Feng, **Mengxiao Lin** and Wenqiang Zhang. Context-Specific and Multi-Prototype Character Representations. *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence*, 2016.

OPEN-SOURCE PROJECTS

Yet Another MXnet DETetction Project
An open source object detection toolbox implemented with MXNet gluon API. Now it contains a fully reimplemented Faster R-CNN. Still in developing.
Hosted on https://github.com/linmx0130/ya_mxdet. More than 50 stars!

parserChiang Project
Transition-based dependency parser implemented with MXNet gluon API. A LSTM-based transition-based parser in different settings is provided for experimental needs.
Hosted on https://github.com/linmx0130/parserChiang.