

# Gongze Cao

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“Only the sun has a right to its spots.”

## Education

### B.S. in Mathematics and Applied Mathematics

PURSUIT SCIENCE CLASS, CHU KOCHEN HONORS COLLEGE

Sep. 2014 - June 2018,

GPA: 3.38/4.00

Zhejiang University

Hangzhou, China

### Master student

ARTIFICIAL INTELLIGENCE

Sep. 2018 - Anticipated June 2020,

GPA: 9.33/10

University of Amsterdam

Amsterdam, Netherlands

## Research Interests

Generative Model, Density Estimation, Computer Vision

## Research Experience

### Zhejiang Provincial Key Laboratory of Service Robot

ZHEJIANG UNIVERSITY

### UvA-Bosch Delta Lab

UNIVERSITY OF AMSTERDAM

Hangzhou, China

Aug. 2017 - Nov. 2017

Amsterdam, Netherlands

Jan. 2019 - Present

## Skills

**Programming** Python, C/C++, LaTeX, limited experience about Java and Matlab

**Deep Learning** Tensorflow, Pytorch, limited experience about pyspark and GPU programming

**Languages** English, Chinese, Japanese

## Publications

### TripletGAN: Training Generative Model with Triplet Loss

arxiv preprint

GONGZE CAO, YEZHOU YANG, JIE LEI, CHENG JIN, YANG LIU, MINGLI SONG

- A new adversarial modeling method trained with triplet loss, with both proof guaranteed its effectiveness and extensive experiments showing its superiority over other models.

### ST-GAN: Unsupervised Facial Image Semantic Transformation Using Generative Adversarial Networks

ACML 2017

JICHAO ZHANG, FAN ZHONG, GONGZE CAO, XUEYING QIN

- Utilizing information maximization to obtain disentangled embeddings for an unlabeled facial dataset, then perform on embeddings to get semantically different images.

### Game among Interdependent Networks: The Impact of Rationality on System Robustness

EPL (Europhysics Letters), 116, 6.

YUHANG FAN, GONGZE CAO, SHIBO HE, JIMING CHEN, YOUXIAN SUN

- A study on the cooperation of interdependent networks. It is shown that the rationality of entities hampers the stability of the system with both continuous and discrete strategy space.

## Project

### TF\_Deformable\_Net

- A implementation of Deformable Convolution Net, including reinplementation of two key operations in tensorflow.

### WGAN-tensorflow

- An implementation of WGAN and WGAN-gp in tensorflow.