

# LingZhi Li



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AlgoHunt



Lingzhi Li



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## About me

I'm an current graduate student at Peking University, major in software engineering, and have been working as an research internship in MSRA in the past year.

I am proficient in python, familiar with C/C++, CUDA, Linux, equipped with skills of Excel LaTeX PowerPoint etc. I have great passion on Computer Programming and Internet industry, During my college life.

I have conducted many project as a leading roll, and had learned lots of related class by myself.

## Skills

python

Data Structure and Algorithms

CUDA

Matlab

Computer Vision

## Key Word

CET-6: 579

GPA: 3.77/4.0

python

Computer Vision

Deep Learning

MSRA Research Intern

1st Place in the Graduate Student Entrance Examination(1/175)

## Education

2017 - Peking University Master  
Software Engineering

2013 - 2017 Beijing Jiaotong University Bachelor  
Communication Engineering

## Awards

2018 Jane Street Electronic Trading Competition 1st  
2018 Merit Student Awards  
2018 Microsoft Joint Machine Learning Course Best Team Award  
2018 Citadel Data-Open Beijing 2nd  
2018 Data Science Bowl 2018 (39th/3634)  
2017 WWW 2018 Challenge (5th/274)

## Experience

MSRA Research Intern

2018.8 - now

work around face parsing and semantic segmentation. reducing computation cost of attention module from  $O(n^4)$  to  $O(n^3)$  while still achieve state-of-the-art performance in cityscapes benchmark with mIoU 83.2 and ranking the #3(when submitting)

I also invent ShapeShifter, the world's first-ever open-set high fidelity face replacement algorithm. it can generate photo-realistic result in real-time with only one pair photo, and needs no additional training. also adaptive to most extreme condition in real world

Jane Street Electronic Trading Competition

2018.9

To developing a set of algorithms and automatic bot while conducting trading against other participant in real time. our model has won both most income prize and most income in last hour prize.

Citadel Data-Open 2018

2018.3

We conduct data mining among a large variety source of data, including 911 calling record, nuclear radiation records etc. we need to come up an assumption and build a white box model to support our assumption. our final reports won the second prize.

Automate Nucleus Detection

Data Science Bowl 2018

build a mask r-cnn model that can identify a range of nuclei across varied conditions, to achieve better performance. we re-implement a more accurate roi align, adopting better suitable data augmentation, and utilizing better training strategy etc. We achieved top 1% score.

Musical Genre Classification

WWW 2018 Challenge

We build a music genre classification model on FMA dataset, we have adapted multiple spectrogram algorithms, data augmentation, voting, GRU and CNN ensemble. We achieved top 1.8% score.