

YAO LI

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SUMMARY

My name is Liyao(李姚). I'm a graduate student currently studying in Shanghai Jiao Tong University (SJTU) majoring in computer science and will achieve my Master degree in Mar. 2020.

I am very interested in computer vision, especially segmentation. In order to study related topics, I joined Lab of Digital Media and Data Reconstruction in Mar. 2017 as a graduate student. Up to now, I've participated in several computer vision projects. I am familiar with popular neural networks, MXNet framework and reading & reproducing papers. I am keen to participate in any related topics/projects to cultivate my professional skills.

EDUCATION

B.S. in Mechanical Engineering and Automation

September 2013 - June 2017

School of Mechanical Engineering

Shanghai Jiao Tong University, Shanghai, China

Overall GPA: 84.32/100, Major GPA: 84.37/100

B.S. in Computer Science and Application (Second Major)

February 2015 - June 2017

School of Electronic Information and Electrical Engineering

Shanghai Jiao Tong University, Shanghai, China

Major GPA: 82.33/100

Entrance Examination for Postgraduate

December 2016

School of Electronic Information and Electrical Engineering

Shanghai Jiao Tong University, Shanghai, China

Rank: 1st in students applying for academic master degree

RESEARCH EXPERIENCE

Lab of Digital Media and Data Reconstruction

March 2017 - Present

Shanghai Jiao Tong University, Shanghai, China

Advisor: Lizhuang Ma (Distinguished Professor)

Research Topic: Computer Vision

Robotics Institute

June 2016 - September 2016

Shanghai Jiao Tong University, Shanghai, China

Advisor: Dingguo Zhang (Associate Professor)

Research Topic: Robotics

PUBLICATIONS

None yet

SELECTED PROJECTS

Gene Diseases Classification and Correlation Analysis based-on Face Analysis

April 2018 - Present

Lab of Digital Media and Data Reconstruction Project

- Tried to not only classify diseases but also analysis correlations between genes and diseases
- Applied pre-trained models to enhance the generalization ability on small sample datasets

Face Attributes Analysis based-on Deep Learning

March 2017 - November 2017

Lab of Digital Media and Data Reconstruction Project

- An end-to-end approach to classify face attributes directly
- Utilized correlations among face attributes to enhance performance

Designing of A Wire-driven Under-actuated Adaptive Dexterous Hand

July 2016 - September 2016

Robotics Institute of Shanghai Jiao Tong University

- Applied under-actuated method to realize adaptiveness for the dexterous hand
- Utilized 3D modeling and simulation to achieve precise and efficient design

LANGUAGE & SKILLS

English Proficiency	CET-6: 557 (L:186, R:219, W:152)
Programming Skill	C++ (familiar): have experience with gcc+cmake projects & familiar with Win+VS project, familiar with STL & pthread Python (good): skilled in neural network implementation, familiar with MXNet framework Matlab (good): good at symbolic calculation and mathematical modeling Markdown & Latex (good): experienced in writing docs in Markdown and formulas in Latex
Software	Microsoft Office (good) Unigraphics NX (proficient) Photoshop (familiar)

HONORS

Honorable Mention MCM/ICM Mathematical Contest in Modeling	January 2016
First Prize Shanghai Contest District, China Undergraduate Mathematical Contest in Modeling	September 2015
Second Prize "Qian Xuesen Cup" Undergraduate Students Innovation Competition, Shanghai Jiao Tong University	June 2015

EXTRA-CIRRICULAR

Hobbies

- Broad reading including:
 - Chinese traditional culture,
 - history (especially history of science and technology),
 - modern technology introduction (especially about military equipment)
- ...
- Fan of popular music and classical music
- Runner