

# Yanshu Zhang

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## Education

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University of Science and Technology of China(USTC)	09/2017-Present
School of Computer Science and Technology, GPA: 3.6/4.3 = (86.36/100)	09/2018-Present
School of Life Science, GPA: 3.2/4.3(82.03/100)	09/2017-09/2019
<b>Major courses (score/100):</b> Computer Networks(95), Stochastic Processes(96), Introduction to Algorithms(89), Algebraic Structure(88), Graph Theory, Operation System(90), Computer Organization(88), Probability and Statistics(96), Mathematical Logic(88), Program Design(90)	

## Research Experience

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<b>One-stage Instance Segmentation</b>   Team Member	10/2019-Present
Advisor: Prof. <b>Chen En Hong</b> , Dept of Computer Science, USTC. <b>Xu Tong</b> , Associate Researcher, USTC.	
<ul style="list-style-type: none"><li>Found out some deficiencies in current methods</li><li>Proposed some improvement ideas for existing one-stage instance segmentation methods</li><li>Learned to read the source code and how to train and test the model on the server</li><li>Learned basic machine learning methods and read related papers like object detection</li></ul>	

<b>Mining Communities in Movie Posters</b>   Team Member	07/2019-08/2019
Advisor: <b>Leong Hon Wai</b> , Associate Professor, Dept of Computer Science, NUS.	
<ul style="list-style-type: none"><li>Proposed the research direction of the group of four</li><li>Responsible for half of the technical work e.g. Collect and preprocess data set</li><li>Calculate dissimilarity matrix of posters using pre-trained ResNet50, Build graph and detect communities</li><li>Evaluate performance of different clustering algorithms</li></ul>	

## Leadership & Activities

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<b>Student Union of School of Life Science</b>   Minister of Secretary Department	09/2017-06/2019
<ul style="list-style-type: none"><li>Participated in the affairs of Secretary Department</li><li>Hosted a series of student activities e.g. Dubbing Contest, Welcome Party</li><li>Well performance under pressure, good communication and logical skills, good sense of teamwork</li></ul>	

## Awards

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Silver Award for Outstanding Students of USTC	09/2019
Bronze Award for Outstanding Students of USTC	09/2018

## Skills and Certificates

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- Engineering Skill:** Familiar with PyTorch, experienced in TensorFlow, familiar with command processor
  - Computer Skill:** Solid expertise in C, Python, experienced in C++, MATLAB, Mathematica, HTML, CSS
  - Language ability:** English (fluent), Chinese (native), TOFEL: 92(R:24,L:24,S:23,W:21)