

# Tianyu Sun

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CONTACT INFORMATION	Computer Science UC San Diego San Diego, 92093, United States	Mobile: (+1) 858 344 8693 E-mail: tianysun@gmail.com Github: <a href="https://github.com/tianyu-sun">https://github.com/tianyu-sun</a>
RESEARCH INTERESTS	Preson ReID, Gait Recognition[1], Graph Convolutional Neural Networks, Reinforcement Learning, Visual Question Answering.	
EDUCATION	<b>University of California, San Diego</b> , San Diego, USA • Visiting student, Computer Science <b>2018 – Present</b>	
	<b>National Taiwan University of Science and Technology</b> , Taipei, Taiwan • Exchange student, Computer Science GPA:4.12/4.3 <b>2017 – 2017</b>	
	<b>University of Science and Technology Beijing</b> , Beijing, China • Bachelor, Computer Science GPA:86.4/100 <b>2015 – Present</b>	
RESEARCH EXPERIENCE	<b>National Laboratory of Pattern Recognition (NLPR)</b> <b>Institute of Automation, Chinese Academy of Sciences (CASIA)</b> , Beijing, China <i>Research Intern, supervised by Prof. Liang Wang</i> <b>2017 – Present</b> <ul style="list-style-type: none"><li>• Apply graph convolutional networks to point cloud-like data extracted from skeleton-like graph to boost the performance of Person Re-ID tasks.</li><li>• Studied gait recognition[1], proposed a method of increasing the performance of gait recognition by heightening the frame rate with generative adversarial networks.</li></ul>	
	<b>National Taiwan University of Science and Technology</b> , Taipei, Taiwan <i>Undergrad Researcher in Machine Learning and Bioinformatics Laboratory, supervised by Prof. Hsing-Kuo Kenneth Pao</i> <b>2017 – 2017</b> <ul style="list-style-type: none"><li>• Studied active learning, applied Gaussian process regression and generative adversarial networks to traffic time series prediction.</li></ul>	
	<b>University of Science and Technology Beijing</b> , Beijing, China <i>Undergrad Researcher, supervised by Prof. Rui Wang</i> <b>2016 – 2017</b> <ul style="list-style-type: none"><li>• Reviewed the existing incentive mechanisms for participatory sensing, studied forwarding prediction in social networks.</li></ul>	
READY TO SUBMIT	[1] <b>T. Sun</b> , C. Song, Y. Huang, and L. Wang, “Frame-GAN: Increasing The Frame Rate of Gait Videos with Generative Adversarial Networks” <b>Ready to Submit.</b>	
SELECTED PROJECTS	<b>Applying-Pre-trained-Model-on-Recognition</b> A demo which illustrates how to apply ImageNet pre-trained model on a custom dataset.	
	<b>Tuning Tree Models with Gird Search</b> Analyze a dataset with gradient boosting tree model and XGBoost model and tune the model with gird search.	
	<b>Big Data Feature Selection with sk-learn</b> Rank the features of a dataset with cross-validation.	
OTHER EXPERIENCE	<b>ACM-ICPC Team@USTB</b> <i>Team Member, supervised by Prof. Yuan Hong</i> <b>2015 – 2017</b>	