

# Chengyu Dong

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<b>Education</b>	<b>M.S. in Computer Science</b> , Artificial Intelligence Jacobs School of Engineering, University of California, San Diego	Sept. 2018 - June 2020
	<b>M.S. in Astrometry and Celestial Mechanics</b> School of Astronomy & Space Science, Nanjing University	Sept. 2016 - Aug. 2018
	<b>B.S. in Astronomy</b> Kuang Yaming Honors School, Nanjing University	Sept. 2012 - June 2016
<b>Experience</b>	<b>Data Mining Group @ University of California, San Diego</b> Computational and Data Science Research Specialist. Advisor: Prof. Jingbo Shang	July 2020 - present
	<b>Data Mining Group @ University of California, San Diego</b> Research Assisitant. Advisor: Prof. Jingbo Shang	Oct. 2019 - June 2020
	<b>Intelligent Big Data Visualization Lab @ Tongji University</b> Research Assistant. Advisor: Prof. Nan Cao	July - Sept. 2019
	<b>Data Analysis and modeling group @ Beijing Iminer Data Technology Co., Ltd.</b> Data Analyst Intern	July - Aug. 2018
	<b>Data Evaluation Group @ Baidu, Inc.</b> Data Analyst Intern	May - June 2018
	<b>Innovation Center for Data Science @ Southern University of Science and Technology</b> Research Assistant. Advisor: Prof. Zhihong Xia	Jan. - Mar. 2018
	<b>Solar System Dynamics Group @ Nanjing University</b> Research Assistant. Advisor: Prof. Liyong Zhou	Sept. 2016 - Aug. 2018
	<b>Planetary Science Group @ Chinese Academy of Sciences</b> Research Assistant. Advisor: Prof. Jun Cui	July - Aug. 2016
	<b>SHAO Galaxies Group @ Chinese Academy of Sciences</b> Research Assistant. Advisor: Prof. Juntai Shen	Mar. - June 2016
<b>Publication</b>	<b>Chengyu Dong</b> , Liyuan Liu and Jingbo Shang. Data Profiling for Adversarial Training: On the Ruin of Problematic Data. <i>arXiv:2102.07437</i> .	
	Zichao Li, Dheeraj Mekala, <b>Chengyu Dong</b> and Jingbo Shang. BFCClass: A Backdoor-free Text Classification Framework. <i>under review</i> .	
	<b>Chengyu Dong</b> , Liyuan Liu, Zichao Li and Jingbo Shang. Towards Adaptive Residual Network Training: A Neural-ODE Perspective. <i>ICML 2020</i> .	
	Zichao Li, Liyuan Liu, <b>Chengyu Dong</b> , and Jingbo Shang. Overfitting or Underfitting? Understand Robustness Drop in Adversarial Training. <i>arXiv:2010.08034</i> .	
	Zihan Wang, <b>Chengyu Dong</b> and Jingbo Shang. Average Approximates First Principal Component? An Empirical Analysis on Representations from Neural Language Models. <i>under review</i> .	
	<b>Chengyu Dong</b> , Liyong Zhou. On the Close Encounters between Plutinos and Neptune Trojans: I, II. <i>arXiv:1806.10651</i> .	

**Chengyu Dong**, Liyong Zhou. The Frequency of Close Encounters and Collisions between Plutinos and Neptune Trojans. *Progress in Astronomy*. 2019.

Niu D-D, Cui J, Gu H, **Dong C-Y**, Zhou L-Y, A. Wellbrock, Jiang F-Y, Xu X-J. A test particle Monte Carlo investigation of the CH<sub>4</sub> torus around Saturn. *The Astronomical Journal*. 2019.

<b>Oral presentations</b>	The 37th International Conference on Machine Learning	July 2020
	International Symposium on Lunar and Planetary Science (ISLPS 2018), Macau	June 2018
	The 4th Symposium on Present and Future of Fundamental Astronomy, Hubei	June 2018

<b>Awards</b>	Academic Scholarship, 1 <sup>st</sup> prize	2016, 2017
	Zhenggang Scholarship, top 40 graduate students in Nanjing University	2017
	Outstanding Student Leader, Nanjing University	2017

<b>Service</b>	<b>Reviewer:</b> ICML 2021
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