

YUANYUAN ZHANG

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🎓 EDUCATION

Purdue University , West Lafayette, IN, US	2021.9 – present
<i>Ph.D student</i> in Computer Science, GPA: 3.8/4.0	
Area: Computational Biology, Machine Learning, Deep Learning	
University of Chinese Academy of Sciences , Beijing, China	2018.8 – 2021.6
<i>Master student</i> in Computer Science	
Area: Natural Language Processing, Machine Learning, Deep Learning	
Sichuan University , Sichuan, China	2014.9 – 2018.6
<i>Bachelor student</i> in Computer Science and Technology	

🏆 HONORS AND AWARDS

D.E. Shaw DESRES Doctoral Fellowship, New York, US	2024.3
Graduate Student Scholarship of ICT CAS (Top 1%), Beijing, China	2018.9-2021.6
Outstanding Graduate of Sichuan University (Top 1%) Chengdu, China	2018.6
Outstanding Student of Sichuan University (Top 3%), Chengdu, China	2015.9-2018.6
National Endeavor Fellowship (Top 1%), Sichuan University, Chengdu, China	2016.9-2017.6

👥 EXPERIENCE

KiharaLab, Purdue University West Lafayette, IN, US	2022.5 – Present
<i>Research assistant</i>	
Protein structure prediction based on Deep Learning	
Evaluation and modelling in Cryo-EM on Deep Learning	
Department of Computer Science, Purdue University West Lafayette, IN, US	2021.9 – Present
Teaching assistant for CS38003, CS50023, CS25100	
Key Laboratory of Network Data Science and Technology, CAS Beijing, China	2019.8 – 2021.6
<i>Research assistant</i>	
Sentiment analysis and knowledge graph network by Deep Learning	
Xiaomi Co., Ltd. Beijing, China	2019.3 – 2019.7
<i>Machine Learning Algorithm Intern</i>	
Optimize recommendation algorithm based on feeds information	
Institute of Automation, CAS Beijing, China	2016.6 – 2017.3
<i>Research Intern</i>	
Intelligent education based on Deep Learning	

📄 PUBLICATIONS

- **Zhang, Y.**, Zhang, Z., Kagaya, Y., Terashi, G., Zhao, B., Xiong, Y., and Kihara, D. (2023). Distance-AF: Modifying Predicted Protein Structure Models by AlphaFold2 with User-Specified Distance Constraints. bioRxiv, 2023-12.
- **Yuanyuan Z.**, Xiao W., Zicong Z., Yunhan H., and Daisuke K., 2023. Assessment of Protein-Protein Docking Models Using Deep Learning. Methods in Mol. Biol., in press, (2023).

- Gagliardi, L., Raffo, A., Fugacci, U., Biasotti, S., Rocchia, W., Huang, H., Amor, B.B., Fang, Y., **Zhang, Y.**, Wang, X. and Christoffer, C., 2022. SHREC 2022: Protein–ligand binding site recognition. *Computers & Graphics*, 107, pp.20-31.
- Wang, Xiao, **Yuanyuan Zhang**, Shengnan Yu, Xiwei Liu, and Fei-Yue Wang. "Computerized adaptive English ability assessment based on deep learning." In *Image and Video Technology: PSIVT 2017 International Workshops*, Wuhan, China, November 20-24, 2017, Revised Selected Papers 8, pp. 158-171. Springer International Publishing, 2018.
- Wang, Xiao, **Yuanyuan Zhang**, Shengnan Yu, Xiwei Liu, Yong Yuan, and Fei-Yue Wang. "E-learning recommendation framework based on deep learning." In *2017 IEEE international conference on systems, man, and cybernetics (SMC)*, pp. 455-460. IEEE, 2017.

⚙ SKILLS

- **Expertise:** Python, Deep Learning, Machine Learning, Pytorch, TensorFlow
- **Capable:** Hadoop, Spark, C, C++, Java, Matlab