

# Chuanrui WANG

## Education

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### M.Sc. in Computer Science

- MILA, University of Montréal
- Supervisor: Jian Tang

Montréal, Canada

Sep. 2022 - Jul. 2024

### M.Sc. in System Engineering

- Beihang University
- Overall GPA: 3.64/4.0

Beijing, China

Aug. 2019 - Jun. 2022

### Ingénieur Généraliste

- École Centrale de Lille, Dual Degree Program
- Overall GPA: 3.70/4.0

Lille, France

Aug. 2018 - Jun. 2022

### B.Sc. in Mathematics and Applied Mathematics

- Beihang University, Entrance Age: 14
- Major Courses GPA: 3.77/4.0, Rank: 2/120

Beijing, China

Aug. 2015 - Jun. 2019

## Publications

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### Protein Sequence and Structure Co-Design with Equivariant Translation

- Chence Shi, Chuanrui Wang, Jiarui Lu, Bozitao Zhong, Jian Tang
- In *International Conference on Learning Representations ICLR 2023*.

### KnowReQA: A Knowledge-aware Retrieval Question Answering System

- Chuanrui Wang, Jun Bai, Xiaofeng Zhang, Cen Yan, Yuanxin Ouyang, Wenge Rong, Zhang Xiong
- In *Computational Mechanics(Journal)* KSEM 2022.

### A New Mesh Smoothing Method based on A Neural Network

- Yufei Guo, Chuanrui Wang, Zhe Ma, Xuhui Huang, Kewu Sun, Rongli Zhao
- In *Computational Mechanics(Journal)* Comput Mech(2021).

### Colossal-AI: A Unified Deep Learning System for Large-Scale Parallel Training

- Zhengda Bian, Hongxin Liu, Boxiang Wang, Haichen Huang, Yongbin Li, Chuanrui Wang, Fan Cui, Yang You
- In *arXiv preprint arXiv:2110.14883*. ([900+ stars on GitHub](#))

## Prospective Research Interests

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- My current research mainly focuses on **AI for science**, especially in the field of **drug discovery**, **protein structure prediction** and **protein design**.
- I am also interested in the **generative model families**.

## Skills

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- **Computer Skills:** Python, Pytorch, C, Java, SQL, Linux, Matlab, Catia, Office
- **English Skills:** IELTS: 7(L8.5, R8, W6.5, S6); GRE: V156, Q169, W3.0
- **Other Languages:** Mandarin: Native; French: DELF B2