

EDUCATION

University of Wisconsin-Madison

Ph.D. in Computer Science

Madison, WI, USA

Aug. 2020 – Present

Shanghai Jiao Tong University

B.S. in Mathematics

Shanghai, China

Sept. 2016 – June 2020

- **Major GPA:** 3.67/4.30

- Selected to **Zhiyuan Honors Program**, an elite program for students in the top 5% in school

Hertford College, University of Oxford

Exchange Student in Math and Physics Program

Oxford, UK

June 2018 – July 2018

RESEARCH EXPERIENCE

Stochastic Halpern Iteration for Monotone Inclusions

Department of Computer Sciences, UW-Madison; Advised by Prof. Jelena Diakonikolas

Madison, WI, USA

Aug. 2020 – Present

- Developing the stochastic version of Halpern iteration, and studying the convergence analysis.

Gradient-free Consensus-based Global Optimization Methods

Institute of Natural Sciences, SJTU; Advised by Prof. Xiaoqun Zhang & Prof. Shi Jin

Shanghai, China

Sept. 2019 – May 2020

- Introduced the independent stochastic noise to improve the performance for high-dimensional non-convex problems.
- Achieved high performance in BBOB benchmarking functions, logistic regression, and neural networks.

Deep Generative Model for Molecular Graphs

Department of Computer Science, UIUC; Advised by Prof. Jian Peng

Urbana, IL, USA

July 2019 – Oct. 2019

- Improved the performance of the original DGMG model by designing an innovative generating process with node degree constraints and replacing atoms with chemical radical groups as generating tokens.
- Deployed the batch-training and parallel-training logics to accelerate the auto-regressive generative model training.

WORKING EXPERIENCE

Algorithm Engineer Intern

Interactive Entertainment Group, Tencent

Shenzhen, China

July 2020 – Oct. 2020

- Analyzed and visualized giant volume of daily data.
- Developed graph-based machine learning approach for personalized recommendations.

TEACHING

Teaching Assistant

CS760: Machine Learning

Madison, WI, USA

Fall 2020

Class Assistant

Grade 2017 Mathematics Class, Zhiyuan College, Shanghai Jiao Tong University

Shanghai, China

Sept. 2017 – June 2020

SELECTED AWARDS & HONORS

Shanghai Jiao Tong University, China

Xingcai Scholarship	2018
Merit Student	2018
Academic Excellence Scholarship	2017 & 2018 & 2019
Zhiyuan Honors Scholarship	2016 & 2017 & 2018 & 2019
Kaiyuan Scholarship	2017

Comap, USA

Outstanding Winner The Interdisciplinary Contest in Modeling	2018
--	------

SKILLS

Technical: C++, Python, Pytorch, HTML, \LaTeX