

# Ying Fan

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## EDUCATION

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### Department of Computer Sciences, UW-Madison

PhD Student, GPA: 3.9/4.0

Advisor: Kangwook Lee

Madison, WI, USA

Sep 2019 – Present

### Yuanpei College, Data Science Major, Peking University

Bachelor of Science, Overall GPA: 3.6/4.0; Major GPA: 3.8/4.0

Beijing, China

Sep 2015 – Jul 2019

## PAPERS

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Dohyun Kwon, **Ying Fan**, Kangwook Lee. Score-based Generative Modeling Secretly Minimizes the Wasserstein Distance

**NeurIPS 2022**

Yifei Ming\*, **Ying Fan**\* and Yixuan Li. POEM: Out-of-distribution Detection with Posterior Sampling (\* equal contribution)

**ICML 2022 with long talk (~2%)** [pdf](#) [talk](#) [code](#)

**Ying Fan**, Yifei Ming. Model-based Reinforcement Learning for Continuous Control with Posterior Sampling

**ICML 2021 with long talk (~3%),** [pdf](#) [talk](#) [code](#)

**Ying Fan**, Yixuan Li. Detection of Out-of-distribution States in Deep Q Learning Deployment (Under review)

**Ying Fan**, Letian Chen and Yizhou Wang. Efficient Model-Free Reinforcement Learning Using Gaussian Process [preprint](#)

## WORK EXPERIENCES

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Research Intern, Microsoft Research in Redmond

Jun 2022 – Aug 2022

Mentor: Ching-An Cheng

Topic: Context-based goal-oriented offline reinforcement learning

## HONORS & AWARDS

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Research assistantship from Institute of Foundations of Data Science, UW-Madison

Founder Scholarship, Peking University (top 5%)

Award for Academic Excellence, Peking University (top 5%)

Third Prize of the 25th Challenge Cup Science Competition, Peking University