FEIRAN JIA

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EDUCATION

Pennsylvania State University   **PA, U.S.**
Ph.D. in Informatics   Sep 2020 – Present
Advisor: *Prof. Anna Squicciarini & Prof. Qingyun Wu*

Washington University in St. Louis   **MO, U.S.**
M.S. in Computer Science   Sep 2018 - May 2020
Advisor: *Prof. Chien-Ju Ho & Prof. Yevgeniy Vorobeychik*

ShanghaiTech University   **Shanghai, China**
B.S. in Computer Science; Finance Minor.   Sep 2014 - Jun 2018

RESEARCH INTEREST

- Computational Economics, e.g. Computational Game Theory, Social Networks, Ethical Issues
- Artificial Intelligence, e.g. Trustworthy AI, AutoML, Prompt Tuning, Multi-agent Systems

RESEARCH PAPERS

Conference Publication

- **Feiran Jia**, Chenxi Qiu, Sarah Rajtmajer, and Anna Squicciarini. **Content Sharing Design for Social Welfare in Networked Disclosure Game.** *UAI 2023.*
- Tong Wu, **Feiran Jia**, Xiangyu Qi, Jiachen T. Wang, Vikash Sehwag, Saeed Mahloujifar, Prateek Mittal. **Uncovering Adversarial Risks of Test-Time Adaptation.** *ICML 2023.*
- Shaokun Zhang, **Feiran Jia**, Chi Wang, and Qingyun Wu. **LexicoFlow: Multi-objective Hyperparameter Optimization with Lexicographic Preference.** *ICLR 2023 (oral).*
- Zun Li, **Feiran Jia**, Aditya Mate, Shahin Jabbari, Mithun Chakraborty, Milind Tambe, Michael Wellman, and Yevgeniy Vorobeychik. **Solving Structured Hierarchical Games Using Differential Backward Induction.** *UAI 2022 (oral).*
- **Feiran Jia**, Kai Zhou, Charles Kamhoua, and Yevgeniy Vorobeychik. **Blocking Adversarial Influence in Social Networks**. *GameSec 2020.*

Journal Publication

- Christopher Griffin, Anna Squicciarini, and **Feiran Jia**. **Consensus in complex networks with noisy agents and peer pressure**. *Physica A: Statistical Mechanics and its Applications 2022.*

Workshop

- Hangzhi Guo, **Feiran Jia**, Jinghui Chen, Anna Squicciarini, Amulya Yadav. RoCourseNet: Distributionally Robust Training of a Prediction Aware Recourse Model. *ICML22 AdvML Frontiers. Full paper submitted to CIKM 2023.*
- **Feiran Jia**, Aditya Mate, Zun Li, Shahin Jabbari, Mithun Chakraborty, Milind Tambe, Michael Wellman, and Yevgeniy Vorobeychik. **A Game-Theoretic Approach for Hierarchical Policy-Making**. *AASG 2021*

Pre-prints

- **Feiran Jia**, Aditya Mate, Zun Li, Shahin Jabbari, Mithun Chakraborty, Milind Tambe, Michael Wellman, and Yevgeniy Vorobeychik. **A Game-Theoretic Approach for Hierarchical Epidemic Control**. *Submitted to JAMMAS. In revision.*
- Yiran Wu, **Feiran Jia**, Shaokun Zhang, Qingyun Wu, Hangyu Li, Erkang Zhu, Yue Wang, Yin Tat Lee, Richard Peng, Chi Wang. **An Empirical Study on Challenging Math Problem Solving with GPT-4**. *Submitted to Neurips 2023*

TEACHING EXPERIENCE

Penn State University   **PA, U.S.**
Graduate Teaching Assistant

- DS/CMPSC 410 section 1 Programming Models for Big Data   Jan 2022 – May 2023
- DS 440 Data Science Capstone   Jan 2022 – May 2022

Washington University in St. Louis   **MO, U.S.**
Graduate Teaching Assistant

- CSE 417T Introduction to Machine Learning   Jan 2019 - May 2019

ShanghaiTech University   **Shanghai, China**
Undergraduate Teaching Assistant

- CS 290 Introduction to Algorithmic Game Theory   Sep 2017 - Jan 2018
- CS 110 Computer Architecture   Feb 2017 - Jul 2017

PROFESSIONAL SERVICE

Reviewer: UAI 2023, SecureComm 2023; **Volunteer:** UAI 2023,

HONOR & AWARD

Meritorious Winner in Mathematical Contest in Modeling hosted by COMAP, U.S.   2017
UAI scholarship   2023

SKILLS & ACTIVITIES

Programming Skills: Python, CPLEX, NetworkX, LaTeX, Pytorch, Scikit-learn, Huggingface, Github