

# Xiaoyang Wang

☎ +1 (412)330-1164 | ✉ xw388@drexel.edu | 🏠 wangxiaoyang.me

## Education

### Drexel University

PHD STUDENT OF INFORMATION SCIENCE

- GPA: 4.0/4.0
- Advisor: Dr. Christopher C. Yang
- Research Areas: Health Informatics, AI Fairness, Trustworthy AI

Philadelphia, PA

2022 - present

### The University of Pittsburgh

MASTER OF SCIENCE IN INFORMATION SCIENCE

- GPA: 3.8/4.0
- Advisor: Dr. Peter Brusilovsky

Pittsburgh, PA

2018 - 2020

### Shanghai Normal University

BACHELOR OF ENGINEERING IN TELECOMMUNICATION ENGINEERING

- Research advisor: Dr. Bin Wang

Shanghai, China

2014 - 2018

## Professional Experience

- 2022-pre. **Research Assistant**, College of Computing and Informatics, Drexel University
- 2020-2022 **Cloud Software Engineer**, China CITIC Bank
- 2020-2022 **Visiting Researcher**, College of Computer Science and Technology, Jilin University
- 2018-2019 **Graduate Research Assistant**, The University of Pittsburgh
- 2016-2018 **Undergraduate Research Assistant**, School of Information, Shanghai Normal University

## Publications

\* Equally contributed; [J] Journal Paper; [C] Conference Paper

### PUBLISHED

[C] Mary M. Lucas, **Xiaoyang Wang**, Chia-Hsuan Chang, Christopher C. Yang. (2024). An ExplainableFair Framework for Prediction of Substance Use Disorder Treatment Completion. *The 12th IEEE International Conference on Health Informatics(ICH)*, 2024

[C] **Xiaoyang Wang\***, Chia-Hsuan Chang\*, Christopher C. Yang. (2024). Explainable AI for Fair Sepsis Mortality Predictive Model. *The 22nd International Conference on Artificial Intelligence in Medicine*, 2024.

### UNDER REVIEW

[J] **Xiaoyang Wang\***, Chia-Hsuan Chang\*, Christopher C. Yang. (2023). Achieving Equity via Transfer Learning with Fairness Optimization.

[C] Yixuan Li, Xuelin Liu, **Xiaoyang Wang**, Shiqi Wang, Weisi Lin. (2024). FakeBench: Uncover the Achilles' Heels of Fake Images with Large Multimodal Models.

## Awards, Fellowships, & Grants

- 2021 **The CITIC Star Award**, CITIC Bank RMB 5000
- 2017 **Merit Student Researcher**, Chinese Academy of Sciences RMB 3000
- 2015 - 2016 **Second Prize Merit scholarship (Top 10%)**, Shanghai Normal University RMB 1200
- 2014 - 2015 **First Prize Merit Scholarship (Top 2%)**, Shanghai Normal University RMB 3000

## Presentations \_\_\_\_\_

### CONTRIBUTED PRESENTATIONS

**Xiaoyang Wang.** 2024. *Explainable AI for Healthcare Predictive Modeling*. Oral presentation: AIME 2024, Salt Lake City, UT, USA.

**Xiaoyang Wang.** 2024. *ExplainableFair Framework & Responsible AI*. Oral presentation: IEEE ICHI 2024, Orlando, FL, USA.

## Teaching Experience \_\_\_\_\_

Fall 2024 **Data Science Programming I**, Teaching Assistant

Spring 2017 **Digital Switching**, Teaching Assistant

Fall 2015 **Probability Theory and Mathematical Statistics**, Teaching Assistant

## Outreach & Professional Development \_\_\_\_\_

### PEER REVIEW

2024 **Reviewer**, Journal of the American Medical Informatics Association (*JAMIA*)

2024 **Reviewer**, Journal of Healthcare Informatics Research (*JHIR*)

### PROFESSIONAL MEMBERSHIPS

2024 **Member**, Institute of Healthcare Informatics (*IHI*)

## Skills \_\_\_\_\_

**Programming Languages:** Python, Java, C++, HTML/CSS/JavaScript, MATLAB

**ML/LLM frameworks:** LangChain, HuggingFace Transformers, Tensorflow, PyTorch, Keras

**Database:** MongoDB, MySQL, PostgreSQL

**Cloud Native Technology:** Docker, Kubernetes

**Language Skills:** Mandarin (Native), English (Excellent)