Tutorial Overview
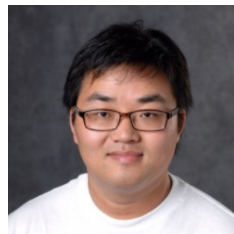
Introduction → **Privacy** → **Safety & Robustness**

Jiliang Tang   Xiaorui Liu   Yaxin Li
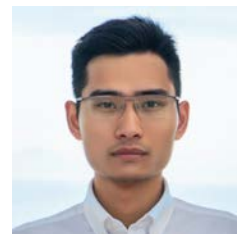
→ **Explainability** → **Non-discrimination & Fairness**

Environmental Well- being

Wenqi Fan   Haochen Liu

Accountability & Auditability

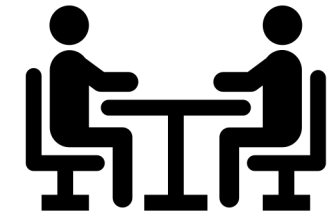→ **Dimension Interactions**

Future Directions   Yiqi Wang

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Human agency and oversight

❑ Human agency enables humans to make decisions independently based on the outputs of an AI system.

❑ Human oversight enables humans to oversee AI systems in their whole life cycle, from design to usage.

Creditability

Additional mechanisms and approaches should be incorporated in AI systems to ensure their creditability.

Multi-dimensional Trustworthy AI

❑ Trustworthy AI should be multi-dimensional.

❑ The interactions among different dimensions need more exploration.

A Survey on The Computational Perspective

Trustworthy AI: A Computational Perspective

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https://arxiv.org/abs/2107.06641

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