

Responsible AI Systems & Experiences (RAISE) at the University of Washington presents:

Yunhe Feng: Investigating Adversarial Attacks Against AI Systems from the Perspective of Fairness Friday Nov 19, 2021, 9-10am PST



As Artificial Intelligence (AI) has been widely deployed in various real-life domains, keeping AI systems fair and robust for different demographic groups becomes more urgent and imperative. In this talk, Yunhe will investigate adversarial attacks against different AI systems from the perspective of fairness. Specifically, he will present how adversarial attacks can trigger fairness issues in AI-based image search engines, how adversarial attacks can confuse AI face recognition models, and how to mitigate the demographic biases caused by such attacks.

Join: <https://washington.zoom.us/j/94636255672>

Yunhe Feng is a Data Science Postdoctoral Fellow with Professor Chirag Shah in the Information School at the University of Washington. Yunhe obtained a Ph.D. degree in Computer Science from the University of Tennessee in 2020. His research interest lies in Responsible AI, Mobile Security and Privacy, and Big Data Analytics. He has received several fellowships and awards, including the Min H. Kao Fellowship, UT EECS Department Excellence Fellowship, Kaggle's Open Data Research Grant Award, and a Best Paper Award by the IEEE BigDataSecurity 2018. Yunhe's research has been covered internationally by news outlets, including Financial Times, TNW, Business Insider, and Yahoo! Finance.

RAISE is a UW-wide group of students and faculty interested in the broad space of responsible AI, trustworthy machine learning, human-centered computing and data science. As part of this group, our mission is to engage in scholarly, educational, and outreach activities that lead to foundational research in these areas. <https://www.raise.uw.edu>.

Next RAISE event, December 3, 2021, 9-10am PST:

[Kush R. Varshney](#), Distinguished Research Staff Member and Manager, IBM Research.

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