DATE: April 28, 2022  
TIME: 1:30-2:50pm  
TITLE: Out of Scope, Out of Mind: Expanding Frontiers for Fair ML in Social Decision Making  
SPEAKER: Serena Wang, PhD Student, UC Berkeley

Abstract:

Abstract: Recent literature in fair machine learning (fair ML) has focused on applying notions of fairness within a technical scope involving data, models, and prediction quality across protected groups. This talk will start by presenting two technical solutions within this framework to overcome practical challenges, including (i) enforcing group-based fairness constraints when the data is incomplete or noisy, and (ii) avoiding unfair penalization of other input features. Still, beyond these practical challenges, even the most heavily fairness-constrained ML model might fall short in satisfying societal needs due to choices in problem formulation and downstream interventions. Thus, based on qualitative work in the education domain, we expand the scope of the ML life cycle and suggest opportunities beyond the typical fairness paradigms for technical and interdisciplinary contribution.

Pre-read information: