The Fairsquare Project:
Countering Programs that Discriminate

Dr. Aws Albarghouthi
Tuesday, October 31
9:30-10:30 am
Orchard View, Discovery Building

Software has become a powerful arbitrator of a range of significant decisions with far-reaching societal impact—hiring, welfare allocation, prison sentencing, policing and, among many others. With the range and sensitivity of algorithmic decisions expanding by the day, the problem of understanding the nature of program discrimination and fairness is a pressing one. In this talk, I will describe our work on the FairSquare project, in which we are developing program verification and synthesis tools aimed at rigorously characterizing and reasoning about fairness of decision-making programs.

Aws Albarghouthi is an Assistant Professor in Computer Science at the University of Wisconsin-Madison. He received his PhD from the University of Toronto. His research focuses on tools and techniques for aiding in the development of reliable software. Recently, he has been exploring the question of reasoning about fairness in decision-making programs.