Instructor: Zubair Shafiq; zubair@ucdavis.edu; https://www.cs.ucdavis.edu/~zubair

Expected Work: research paper readings and oral presentations; mini-projects and final project

Overview: This course covers applications of measurements, big data analytics, and machine learning to various security and privacy problems, and also discusses the security and privacy problems associated with machine learning and big data. The topics include: (1) machine learning to detect malware, tracking, intrusions, and censorship; (2) big data analytics to investigate spam, fraud, disinformation, and hate speech in online social media; and (3) natural language processing techniques to mine text and code for threat intelligence and cybercrime analysis.