CMPT 788 - G100 Information Privacy

Instructor(s): Tao Wang

SFU Burnaby

Calendar Objective/Description:
Information Privacy

Instructor's Objectives:
Information technology has accelerated and enhanced the ways in which we share personal data with each other, at the cost of expanding the privacy attack surface of various threats, including network surveillance, data theft, and privacy-compromising disclosure. We will examine current privacy-enhancing technologies that offer solutions to meet users' privacy standards. Topics include secure and private communication protocols, anonymity networks, privacy-preserving data sharing, and protecting against data breaches.

Prerequisites:
see go.sfu.ca

Topics:
- Secure communication
- Off-the-record messaging
- Anonymity networks
- Traffic analysis
- k-anonymity
- Differential privacy
- Data breaches

Grading:
40% paper reading 30% course project 30% exam

Academic Honesty Statement:
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