

Joshua Tan

✉ jstan@cs.cmu.edu | 🏠 joshktan.com | 📺 jtan189

Education

Carnegie Mellon University

PH.D IN SOCIETAL COMPUTING, INSTITUTE FOR SOFTWARE RESEARCH (IN PROGRESS)

Pittsburgh, PA

Aug 2014–Exp. Dec 2019

- Advisors: Lorrie Faith Cranor, Lujo Bauer
- Research area: Usable security and privacy
- Selected coursework: Introduction to Information Security; Experimental Design for Behavioral and Social Sciences; Usable Privacy and Security; Introduction to Machine Learning; Privacy Policy, Law, and Technology

North Dakota State University

B.S. IN COMPUTER SCIENCE, CUM LAUDE

Fargo, ND

Aug 2009–May 2014

Publications

Comparing hypothetical and realistic privacy valuations

Joshua Tan, Mahmood Sharif, Sruti Bhagavatula, Matthias Beckerle, Michelle L. Mazurek

2018 Workshop on Privacy in the Electronic Society (WPES '18), 2018

Self-driving cars and data collection: Privacy perceptions of networked autonomous vehicles

Cara Bloom, **Joshua Tan**, Javed Ramjohn, Lujo Bauer

Thirteenth Symposium On Usable Privacy and Security (SOUPS '17), 2017

Can unicorns help users compare crypto key fingerprints?

Joshua Tan, Lujo Bauer, Joseph Bonneau, Lorrie Faith Cranor, Jeremy Thomas, Blase Ur

Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '17), 2017

(Do not) Track me sometimes: Users' contextual preferences for web tracking

William Melicher, Mahmood Sharif, **Joshua Tan**, Lujo Bauer, Mihai Christodorescu, Pedro Giovanni Leon

Proceedings on Privacy Enhancing Technologies (PETS 2016), 2016

The effect of developer-specified explanations for permission requests on smartphone user behavior

Joshua Tan, Khanh Nguyen, Michael Theodorides, Heidi Negrón-Arroyo, Christopher Thompson, Serge Egelman, David Wagner

Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14), 2014

Experience

Carnegie Mellon University

Graduate Research Assistant

Pittsburgh, PA

Aug 2014–Present

MIT Lincoln Laboratory

Intern

Lexington, MA

May 2018–August 2018

North Dakota State University

Research Assistant, McNair Scholar

Fargo, ND

Aug 2012–May 2014

Thomson Reuters

Software Engineer Intern

Eagan, MN

May 2014–Aug 2014

Team for Research in Ubiquitous Secure Technology (TRUST)

Research Intern

Berkeley, CA

June 2013–Aug 2013

Honors & Awards

- 2013 **1st place team member**, MechMania AI Programming Competition
2013 **1st place team member**, Digi-Key Collegiate Computing Competition
2012, 2013 Microsoft Computer Science Undergraduate Scholarship

Activities

- 2011–2014 NDSU Student Chapter of Association for Computing Machinery, **Vice Chair (2013)**
2012–2013 Students and Technology in Academia, Research, and Service (STARS), **NDSU Student Leadership Corp**

Skills

Python, R, Java, SQL, L^AT_EX, Django, Linux, JavaScript, C#