

HUMMD ALIKHAN

Ph.D. Candidate, Information Science at University of Washington | Hummd@uw.edu | Hummd.com

RESEARCH AGENDA

My research examines data sovereignty, privacy, personhood, and power within smart city and digital infrastructure contexts. I investigate how socio-technical systems reconfigure agency, governance, and distributive equity, with particular attention to regulatory regimes, infrastructural authority, and embodied technological integration. Methodologically, I employ qualitative interviews, interpretive policy analysis, and design-based inquiry to analyze how emerging technologies shape lived experience and institutional power.

EDUCATION

Ph.D., Information Science, <u>University of Washington</u> . Advisor: Lindah Kotut	Expected 2027
M.S., Information Science, <u>University of Washington</u>	2024
B.A., Information Science and Government; Minor in Law, <u>Cornell University</u>	2020

PUBLICATIONS

ACM CHI | **Alikhan, H.**, & Kotut, L. (2024). *Begone, Orthot: A Near-Future Exploration of Bodily Autonomy*.
ACM CHI Kotut, L., & **Alikhan, H.** (2024). *"Things on the Ground are Different": Utility, Survival and Ethics in Multi-Device Ownership and Smartphone Sharing Contexts*.
ACM XRDS | Cybersecurity Issue | **Alikhan, H.** (2025). *A City That Thinks---But Doesn't Overthink*

RESEARCH EXPERIENCE

Research Assistant, University of Washington 2022–Present
As a doctoral researcher, I conduct qualitative and design-oriented research on data sovereignty, smart city governance, privacy infrastructures, and digital personhood. My work examines how urban data systems, IoT infrastructures, and regulatory frameworks structure agency and inequity. I contribute to collaborative HCI and information science scholarship through peer-reviewed publications, conference presentations, and interdisciplinary research initiatives.

PROFESSIONAL EXPERIENCE

Senior Analyst, Aleada Consulting 2021–2022
In this role, I led enterprise privacy and data governance engagements for multiple technology-sector clients, including Atlassian and Wikimedia. My work involved regulatory analysis (GDPR, CCPA), privacy impact assessments, and data inventory development. This experience deepened my understanding of how legal and ethical frameworks are operationalized within institutions, informing my academic research on governance, compliance infrastructures, and the translation of normative principles into practice.

Privacy Analyst, Aleada Consulting 2020–2021
I developed and maintained records of processing activities (ROPA), enterprise data inventories, and governance documentation while conducting regulatory horizon scanning. Engaging directly with compliance mechanisms and

organizational decision-making processes sharpened my scholarly interest in how institutions interpret privacy law, distribute accountability, and construct technological risk.

Principal Investigator (Intern), HaloSentient 2019

I developed materials for a competitive grant application and conducted research on ethical technology development and cybersecurity preparedness, including the revision of Computer Security Incident Response Plans (CSIRPs). This work strengthened my engagement with questions of responsibility, liability, and risk governance in emerging technologies.

Intern, Human Rights Watch 2018

I contributed research to a major report on coal mining practices and supported advocacy database management. This experience grounded my commitment to evidence-based research and the study of how documentation, information systems, and institutional power shape public accountability.

TEACHING EXPERIENCE

Teaching Assistant, University of Washington

Research Methods (INFO 300) Fall 2022; Winter 2026

I facilitate instruction on epistemology, qualitative and quantitative methodologies, research ethics, and study design. I emphasize reflexivity, power, and methodological rigor, mentoring students as they develop research proposals and analytic frameworks.

Cyber Resilience (INFO 415) Fall 2025

I supported instruction on cybersecurity risk assessment, resilience frameworks, and socio-technical systems, integrating discussions of equity and differential risk exposure across communities.

Gender and Technology (INFO 102) Spring 2023

I facilitated discussions exploring information technology through feminist and intersectional lenses, examining gender, race, class, sexuality, and ability in technical design, education, and labor.

Design Methods (INFO 360) Winter 2023

I supported instruction on design justice, participatory methods, and inclusive technology development.

Teaching Assistant, Cornell University

Designing Technology for Social Impact (INFO 4240) 2018–2019

I contributed to a justice-centered design curriculum that foregrounded equity, stakeholder inclusion, and social responsibility in technological development.

SERVICE

Co-Chair, iSchool Doctoral Student Association 2025–Present

I lead doctoral governance initiatives, coordinate institutional communication, oversee elections, and support diversity and inclusion efforts within the doctoral community.

Executive Board Member, Phi Sigma Pi Honors Fraternity 2018–2020

Peer Mentor, Cornell Arts & Sciences Student Services 2017–2020

INVITED TALKS & POSTERS

Invited Talk: “Supply Chain Cybersecurity” for the UW Cyber Resilience course.

Invited Talk: “Digital Marble: Chiseling Data Sovereignty into Tomorrow’s Technology” for Cornell JEDI Talks

Invited Talk: “Internet of Things and their Emerging Applications ” for the UW Information Assurance course.

Poster and Invited Talk: “Clear: On Cyborgs, Liability, Equity, Access, and Regulation” for CRA-WP 2024

Invited Talk: “Transparency and Ethical Governance in Smart Cities” for CRA-WP 2025

HONORS

CRA-IDEALS Travel Award	2025
CRA-WP Travel Award	2024
CMD-IT/ACM Richard Tapia Travel Award	2023
Forbes 30 Under 30 Nominee	2022