MOHSIN Y. K. YOUSUFI

Atlanta, GA

linkedin.com/in/mohsinykyousufi ◇ www.mohsinykyousufi.com

PROFESSIONAL SUMMARY

Mohsin Y. K. Yousufi is a civic technologist and currently a PhD candidate in Digital Media at Georgia Institute of Technology, researching the intersection of civic technology, collective intelligence systems, and epistemic injustices. Drawing from Human-Computer Interaction, Computer Science, and design research, he develops innovative knowledge infrastructures that empower communities to pursue effective collective action and self-governance. Using both empirical and applied research methods, he is broadly interested in the nature of civic collective action and currently focuses on addressing epistemic breakdowns in civic sociotechnical systems. Through his work, he seeks to understand and mend the fractures in public discourse and civic engagement that are often amplified by technology.

Mohsin's multidisciplinary approach encompasses qualitative and quantitative methods, as well as the development of technical solutions, enabling him to examine complex civic challenges from both theoretical and practical perspectives. Mohsin is an alumnus of Harvard's Berkman Klein Center and Harvard metaLAB. He was also a Fulbright Scholar. His research has been featured at prestigious venues, including NeurIPS, ACM CSCW, ACM CHI, ACM DIS, Society for Social Studies of Science (4S), and the Smithsonian National Museum of American History.

EDUCATION

Georgia Institute of Technology   2021 - 2026 (*expected*)
Doctor of Philosophy, Digital Media Minor in Urban Policy Analytics   *Atlanta, GA*
Advisor: Yanni Alexander Loukissas

Graduated from:
- Oxford Internet Institute - UC Berkeley Information School Summer Doctoral Program '25
- National Science Foundation's National I-Corps Program

University of Illinois at Urbana-Champaign   2020 - 2021
Master of Science, Architectural Studies Minor in Global Studies   *Urbana, IL*

Indus Valley School of Art & Architecture   2015 - 2019
Bachelor of Architecture   *Karachi, Pakistan*

EXPERIENCE

Pulic AI Network   June 2025 - *Present*
Research Engineer   *Remote, USA*

- Prototyping full-stack solutions for scaling public AI access at libraries through the integration of large language models and generative AI
- Leading the development of systems solutions for archiving local community knowledge at libraries in NJ, MA and UT
- Developing technical infrastructure for the network growth, focusing on scalable solutions for communication and collaboration

metaLAB (at) Harvard University   Oct 2023 - Sept 2025
Design Researcher   *Cambridge, MA*

- Led end-to-end development of the Invisible Waves Project, a public-facing interactive platform visualizing radio wave interactions in everyday environments, managing a cross-functional team of 4 while overseeing UX design and implementation
- Developed comprehensive wireframes and interactive prototypes using Figma, establishing design systems and information architecture for complex scientific visualization

- Assisted the AI Pedagogy Project, creating and curating 16 educational resources to help higher education faculty integrate LLMs into their curriculum, with a focus on critical thinking and intentional implementation

Georgia Institute of Technology
Graduate Research Assistant

Aug 2023 - *Present*
Atlanta, GA

- Spearheading a team in NSF's I-Corps, conducting 104 customer discovery interviews within a 7-week timeframe, providing crucial insights for project direction
- Conducted stakeholder interviews, focus groups, and contextual inquiries to develop user experience (UX) for "Visualizing Resiliency" project, a $1 Million climate youth advocacy project funded through NSF
- Developed the information architecture and redesigned the user interface (UI) using wireframes and prototypes in Figma for Map Spot, an interactive data visualization and map-making tool for middle-schoolers
- Designed data visualizations using Mapbox & Tableau, developed and taught 3 workshop modules to promote spatial data literacy among middle-school students
- Coordinated program implementation with multiple stakeholders and external clients, to deliver the program to 35+ students in 2022

Graduate Instructor (Fall 2023, Fall 2024, Spring 2025)

- Designed and taught LMC 3705 Principles of Information Design to 41 students,
- Instructor of record for LMC 2720 Principles of Visual Design
- Designed and taught LMC 2720 Principles of Visual Design, successfully equipping 20 UX, Design, and Computational Media undergraduates with core design principles, tools, and methods to design systems, artifacts, and products.

Berkman Klein Center for Internet & Society at Harvard University
Researcher

Jan 2024 - *Oct 2024*
Cambridge, MA

- Collaborated on examining algorithmic bias in online environments
- Optimized data scraping processes by actively contributing to code development, resulting in 70% efficiency boost
- Contributed to literature reviews and quantitative analysis efforts, employing advanced methodologies to derive valuable insights and contribute substantively to the research outcomes

Summer Researcher

May 2023 - Aug 2023
Cambridge, MA

- Contributed to research projects at the Institute for Rebooting Social Media
- Conducted in-depth landscape analysis in Internet Studies and Governance, contributing to enhanced research outputs for the Institute
- Developed a model system for LLMs implementation on social media to mediate user-user interaction for civic infrastructure

Georgia Tech Enterprise Innovation Institute
International Strategic Plan Intern

May 2022 - Aug 2022
Atlanta, GA

- Analyzed and managed data sources using Python and Excel for research on industrial and regional partnerships, utilizing Tableau to visualize data and refine 5,000+ data points to 234 key indicators for 200 countries
- Engineered a dashboard with HTML, CSS, and JavaScript to access data from 17 new data sources related to supply chain risks, trade, governance, manufacturing capabilities, and innovation, helping direct $1 billion in capital
- Advocated for and achieved successful inclusion of Social and Human Capital indices in the database

Buzzbox
Co-Founder & Creative Director

May 2019 - March 2020
Karachi, Pakistan

- Directed 10+ innovative consumer experiences (UX/CX) and marketing campaigns, utilizing Adobe Creative Suite to create high-quality design deliverables, resulting in lucrative partnerships and a 10x revenue increase
- Strategically bootstrapped the startup, leading to a profitable exit within 8 months, demonstrating strong entrepreneurial and leadership skills

Co-Design (previously Design Options)   Jan 2020 - May 2020
Junior Architect   *Karachi, Pakistan*

- Conducted stakeholder interviews and designed sustainable, low-cost, energy-efficient housing solutions for Karachi
- Utilized skills in observational research, case studies, and usability testing to develop solutions that reduced construction costs by 48% and promoted sustainable practices among users

The Learning Tree   Aug 2018 - May 2020
Philosophy Instructor   *Karachi, Pakistan*

- Designed 40% of the first-ever Philosophy, Ethics and Mindfulness curriculum for middle-school students in Karachi, Pakistan as part of three-people team
- Refined and taught the Philosophy module 100+ Middle Schoolers leading to 300% increase in enrollment in the courses over a period of 2 years

Zuby Design Collective   Jan 2018 – July 2018
Design Intern   *Karachi, Pakistan*

- Supervised a team of 3 people to conceptualize and design the expansion of over 20 acres MACPAC Films Limited, at Port Qasim, Pakistan
- Responsible for designs inside the project, commissions amounting to PKR 2.5 million for the firm

AWARDS AND HONORS

i **PhD Foley Scholar**, Georgia Institute of Technology, USA, 2025 - 2026 ***Highest award for graduate students at Georgia Tech for computing-related research**

ii **Fellow**, The Collective Impact of Creative Technologies, Georgia Institute of Technology, USA, 2025 - 2026

iii **Best Paper**, Public Interest Technology - University Network Research Symposium, Boston, USA, 2023

iv **Fulbright Scholar**, United States Department of State, University of Illinois, Urbana-Champaign, 2020 – 2021

v **Honorable Mention**, Kausar Bashir Ahmed Award for Socially Responsible Architecture, Institute of Architects', Pakistan, Aug 2020 ***National Award**

vi **Founders' Award**, Indus Valley School of Art & Architecture, December 2019 ***Awarded to top student of the graduating class**

vii **4 Honor's List & 1 Dean's List**, Indus Valley School of Art & Architecture, 2015 – 2019

viii **Distinction**, Undergraduate Dissertation, Indus Valley School of Art & Architecture, Dec 2019

ix **Member, National Student Delegation** from Pakistan, Architects Regional Council Asia (ARCASIA), Sep 2018

x **Best Student Paper**, IAPEX-Karachi, Institute of Architects Pakistan (IAP), Pakistan, March 2018

xi **Runner-up**, IKEA Young Athletes Playroom Design Competition, Special Olympics Pakistan, Feb 2017

ARTICLES

* denotes shared authorship

i **Mohsin Y. K. Yousufi**, Charlotte Alexander, and Nassim Parvin. 2025. *Credibility Boosters as a Lens for Understanding Epistemic Injustice in Civic Tech: The Case of Heat Seek.* Proc. ACM Hum.-Comput. Interact. 9, 7, Article CSCW392 (November 2025), 30 pages. https://doi.org/10.1145/3757573

ii Sumita Sharma, Behnaz Norouzi, Edward Peter Greenwood White, Eva Durall Gazulla, **Mohsin Y. K. Yousufi**, Netta Iivari, Noura Howell, Pauli Klemettila, Suleman Shahid, Sayan Sarcar, Xingyu Li, and Wricha Mishra. 2025. *Lost in Translation: Researchers' Reflections on Writing in English for CHI*. In Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '25). Association for Computing Machinery, New York, NY, USA, Article 636, 1–9. https://doi.org/10.1145/3706599.3716231

iii Hyde, A., Alemdar, M., OConnell, K., Omunga, P., Reckner, M., Loukissas, Y., Tien, I., **Yousufi, M.,** Botchwey, N., Chatman, O., Clayton, K., McClain, M., Shabazz, M., & Branch, B., 2025. *Promoting Youth Advocacy for Resilience to Disasters: A Pilot Study*, Gender & Development, 32(3), 749–772 https://doi.org/10.1080/13552074.2024.2415224

iv **Yousufi, M.** *'Epistemic Injustice in Technology and Policy Design: Lessons from New York City's Heat Complaints System'*, Proceedings of Public Interest Technology - University Network Summit Research Symposium 2023 **-Awarded Best Graduate Paper**

v **Yousufi, M.**, 2018. *'Architect + Communal Space and the Future'*, Proceedings of IAPEX - Karachi 2018, Institute of Architects Pakistan

REFEREED WORKSHOP & POSITION PAPERS

* denotes shared authorship

i **Mohsin Y. K. Yousufi***, Zihan Gao*, Jacob Thebault-Spieker. 2025. *Collective Narrative Grounding: Community-Coordinated Data Contributions to Improve Local AI Systems.* Conference on Neural Information Processing Systems (NeurIPS) Workshop on Algorithmic Collective Action.

ii **Mohsin Y. K. Yousufi**, Yanni Loukissas, Allen Hyde. 2023 *Bridging Data and Experiences: Engaging Youth in Digital Civics through Participatory Mapmaking for Resilience* ACM Designing Interactive Systems (DIS) 2023, Designing for and Reflecting upon Resilience in Health and Well-being Workshop

iii **Mohsin Y. K. Yousufi**, Charlotte Alexander, and Nassim Parvin. *Epistemic Injustice in NYC Heating Complaint Systems*, ACM Conference on Human Factors in Computing Systems (CHI) 2023, Designing Technology and Policy Simultaneously Workshop

NON-REFEREED WRITING

i **Mohsin Y.K. Yousufi**, Human Robot Interaction at Berkman Klein Center with Huili Chen, Aug 2023, Berkman Klein Center at Harvard University https://cyber.harvard.edu/story/2023-09/

ii **Mohsin Y.K. Yousufi**, 2020. *"On Schisms and Generalism"*, Moving Forward, Vol. 1, Issue: Aug 2020, Pages 44-45, Indus Valley School Architecture Journal

CONFERENCE PRESENTATIONS WITH REFEREED ABSTRACTS

i *'Overcoming Epistemic Barriers in Data Advocacy: A Framework for Inclusive Information Design'*, **Information+**, Boston, Massachusetts, November 2025

ii *'Countering Epistemic Injustice: Participatory Design and The Negotiation of Plural Publics for Civic Technologies'*, **Annual Meeting of the Society for the Social Studies of Science (4S)**, Seattle, Washington, September 2025

iii Ploypilin Pruekcharoen, Emily Weigel, Miles Appleton, Sylvia Janicki, **Mohsin Y.K. Yousufi**, Yanni Loukissas. *'How to Feel Microplastics - Plasmatic Mirror'*, **Annual Meeting of the Society for the Social Studies of Science (4S)**, Seattle, Washington, September 2025

iv K. E. Bennett, Blaire Bosley, Rachel Donley, Sylvia Janicki, Brandy Pettijohn, **Mohsin Y. K. Yousufi**, *"I Feel You": Sensing Media*, **National Women Studies Conference**, Detroit, Michigan, November 2024

v *'Conversations Around the Table: Limitations and Potentials of Civic Data for Youth Engagement'*, **Society for Social Studies of Sciences (4S)**, Honolulu, Hawai'i, November 2023

vi *'Epistemic Injustice and Trust: Interrogating Technological Complicity in Data- Driven Ecologies'*, **Society for Social Studies of Sciences (4S)**, Honolulu, Hawai'i, November 2023

vii Yanni Loukissas, **Mohsin Y.K. Yousufi** *'Visualizing Resiliency'*, **Society for Social Studies of Sciences (4S)**, Cholula, Mexico, December 2022

viii *'Architect + Communal Space and The Future'*, **IAPEX 2018 'Communal Spaces – Transformations and Lessons'**, Karachi, Pakistan, March 2018
*First student speaker in the 14-year history of Conference

INVITED TALKS

i *'The Unmappable Atlas: Reclaiming space from AI's gaze'*, **Atlanta Interdisciplinary Artificial Intelligence Network**, Atlanta, Georgia, April, 2025

ii *'Artificial Intelligence and the Futures of Architectural Design'*, **Institute for Architects' Pakistan**, Lahore, Pakistan, November 2024

iii *'Architectural Futures: Thinking about Design, Cities and Architecture'*, **University of Engineering and Technology**, Lahore, Pakistan, October 2023

iv **Mohsin Y.K. Yousufi**, Shubhangi Gupta, Yanni Loukissas. *Map Spot: Mapping for Environmental Justice*, **The Southeast Environmental Justice Summit**, Atlanta, USA, June 2023

v **Mohsin Y.K. Yousufi**, Yanni Loukissas. *Visualizing Resiliency: Map Spot*, **Air Quality ATL23 Symposium: "Urban Air Quality in The Age of Climate Change"**, Atlanta, USA, May 2023

vi **Mohsin Y.K. Yousufi**, Allen Hyde. *Youth Advocacy for Disaster Resilience through Data Visualization*, **National Science Teachers Association**, Atlanta, USA, March 2023

vii Nassim Parvin, **Mohsin Y.K. Yousufi** *'Social Innovation as Cooking and Conspiracy'*, **Code for America**, (Remote), January 2023

viii *'Digital Impact On Space'*, Graduate School of Architecture, Planning and Preservation, **Columbia University**, New York, United States, May 2022

ix Sylvia Janicki, **Mohsin Y.K. Yousufi**, Shubhangi Gupta, Pooja Casula, Michelle Ramirez, Aditya Anupam, & Nassim Parvin. *'Heart Sense: Feminist Reflections on Physiology and Embodiment'*, Presented at ACCelerate: ACC Smithsonian Creativity and Innovation Festival, **Smithsonian's National Museum of American History**, Washington D.C., April 2022

x *Data Physicalization Design for LMC 'Principles of Information Design'*, **Georgia Institute of Technology**, December 2021

xi *'Trellis: A Shared Housing project in Karachi'*. Presented at 'Drawing the Future. Development, Innovation, Sustainability, Beauty', **Consulate of Italy, Karachi**, Pakistan, November 2020

xii *'Trellis: A Shared Housing project in Karachi'*. **NED University of Engineering and Technology**, Karachi, Pakistan, Feburary 2020

xiii *'Technology and the Future of Communal Spaces'*, **Indus Valley School of Art & Architecture**, Karachi, Pakistan, April 2018

TEACHING

Teaching Assistant	Fall 2025	LMC 2700 - Intro to Computational Media	68 Students
Graduate Instructor	Spring 2025	LMC 3705 - Principles of Information Design	21 Students
Graduate Instructor	Fall 2024	LMC 3705 - Principles of Information Design	20 Students
Graduate Instructor	Fall 2023	LMC 2720 - Principles of Visual Design	20 Students

LEADERSHIP & SERVICE WORK

i **Member**, Emerging Leaders Advisory Board, Georgia Institute of Technology, 2025 - 2026

ii **Senator at-Large**, Graduate Student Association, Georgia Institute of Technology, Aug 2021 – April 2022

iii **Reviewer:** *Special Recognition for reviews in bold*

CHI 2024, 2025
alt.CHI 2025
CSCW **2024**, **2025**, 2026
CHI PLAY **2024**
Creativity & Cognition 2024
DIS 2023, 2024, 2025
UbiComp/ISWC 2024
TEI 2026