

# Shubhangi Gupta

PhD Candidate, Georgia Tech

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## Education

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<b>Georgia Institute of Technology</b> <i>Ph.D. in Digital Media</i>	2020 – Jul 2024 GPA: 4/4
<b>Georgia Institute of Technology</b> <i>MS in Human-Computer Interaction (HCI)</i>	2020 – 2020 GPA: 4/4
<b>Indian Institute of Technology, Guwahati</b> <i>Bachelor of Design</i>	2014 – 2018 GPA: 9.1/10

## Experience

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<b>IBM</b>   <i>Responsible and Inclusive Tech, Qualitative Research Intern</i>	May'22 – Aug'22 Yorktown Heights, NY
<ul style="list-style-type: none"><li>Developed an AI safety framework using contextual inquiry and literature reviews</li><li>Framework charts the life-cycle of big data alongside potential societal risks to help AI developers make responsible design decisions</li><li>Collaborated with internal stakeholders to assess AI projects within IBM. Identified potential harms along with paths forward</li></ul>	
<b>Google</b>   <i>Ads Privacy and Safety, User Experience (UX) Research Intern</i>	Aug'21 – Nov'21 Remote
<ul style="list-style-type: none"><li>Led 2 interview studies (30+ users across 3 countries) and 1 diary study (25+ participants)</li><li>Studied the relationship between user safety, ad explanations, and data controls to help design the Google Ad Center and promote user trust</li><li>Collaborated with cross-functional partners to develop research strategy for product development</li></ul>	
<b>Striim Inc.</b>   <i>User Experience Research and Design Intern</i>	May'19 – Jul'19 Palo Alto, CA
<ul style="list-style-type: none"><li>Led user research studies and usability testing to understand user needs and concerns</li><li>Drew on the user research to redesign the Striim platform's dashboard and onboarding</li><li>Worked in collaboration with designers to identify user-centered solutions for a fast-paced startup</li></ul>	
<b>Research Laboratory in Computer Science, Université Paris-Sud</b>   <i>Design Intern</i>	May '17 - Jul'17 Orsay, France
<ul style="list-style-type: none"><li>Worked with professors Michel Beaudouin-Lafon and Wendy Mackay to design an interactive wall-sized display</li><li>Conducted participatory design workshops and video prototyping to design the wall display controlled by a table-top interface</li><li>The wall display demonstrated the work of 100 researchers at the Université Paris-Sud</li></ul>	
<b>Indian Institute of Science, Bangalore</b>   <i>User Experience Research and Design Intern</i>	May '16 - Jul'16 Bangalore, India
<ul style="list-style-type: none"><li>Conducted theoretical research and focus groups to develop a toolkit for designers</li><li>Toolkit supported the design of environmentally, socially, and economically sustainable products</li></ul>	

## Positions Held

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<b>Georgia Tech Women, Science, and Technology (WST) Community</b>   <i>Graduate Partner</i>	2019-2024 Atlanta, GA
<ul style="list-style-type: none"><li>Assisted in the planning and execution of projects and events for student development</li><li>Managed the student community. Mentored and assisted WST students and research</li></ul>	

## Select Projects

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- Human-Centered AI Safety and Transparency** | *PhD Dissertation* 2020 – 2024  
Atlanta, GA
- Conducted qualitative and participatory research with 25+ domain experts and 8 social groups
  - Initiated collaboration with 20+ non-profits and local groups in Atlanta to assess civic AI and identify potential social and political AI harms
  - Developed methods and strategies for user-centered AI transparency and public engagement
- YARDS: Data Literacy for Students** | *Graduate Research Assistant* Summer 2023, 2024  
Savannah, GA
- Managed a team of 4 researchers, 2 facilitators, and 2 student summer camps
  - Ran mapping workshops as a part of NSF's Youth Advocacy for Disaster Relief Program (YARDS)
  - Promoted data literacy and supported youth in advancing data-driven local climate change initiatives

## Select Peer-Reviewed Written Articles

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- Just Good Enough Explanations: What The Public Needs To Know About Civic Algorithms** 2024  
Shubhangi Gupta & Yanni Loukissas | *In Submission*
- The Unknowable Algorithm: Partial Explaining by Local Publics** 2024  
Shubhangi Gupta & Yanni Loukissas | *In Submission*
- Reflexive Data Walking: Embodied Explorations at the Boundaries of Space and Knowledge** 2024  
Sylvia Janicki, Shubhangi Gupta & Nassim Parvin | *In Submission*
- Mapping the Smart City: Participatory Approaches to XAI** 2023  
Shubhangi Gupta | *ACM Designing Interactive Systems Conference (DIS Companion)*
- Making Smart Cities Explainable: What XAI Can Learn from the "Ghost Map"** 2023  
Shubhangi Gupta & Yanni Loukissas | *ACM CHI Conference on Human Factors in Computing System (EA)*
- Rethinking Safe Mobility: A Case Study of Safetipin in India** 2022  
Shubhangi Gupta, Sylvia Janicki, Pooja Casula & Nassim Parvin | *ACM ICTD International Conference on Information & Communication Technologies and Development*
- Mess and Making Matters in Feminist Teaching** 2022  
Contributed alongside Nassim Parvin & Rebecca Rouse and other authors | *Catalyst: Feminism, Theory, Technoscience*
- Unsettling Boundaries through Data** 2021  
Shubhangi Gupta & Sylvia Janicki | *Workshop at the Information+ Conference*
- Monitoring Student Learning: Critically Examining the 'Idealized' Case** 2021  
Shubhangi Gupta & Aditya Anupam | *Workshop at the Connected Learning Summit*
- Concerns About the Promises of AI Tutors: A Case Study of MATHia** 2020  
Shubhangi Gupta, A. Anupam | *Society for Social Studies of Science (4S)*
- Collective Care: From 'independence' to 'inter-dependence'** 2020  
Shubhangi Gupta | *Poster at Tapia*

<b>Beyond Motivation and Memorization: Fostering Scientific Inquiry with Games</b> Aditya Anupam, Shubhangi Gupta, Azad Naeemi, & Nassim Parvin   <i>Annual Symposium on Computer-Human Interaction in Play (EA)</i>	2019
<b>Bringing Shades of Feminism to Human-Centered Computing</b> Contributed alongside Manasee Narvilkar, Neha Kumar, & other authors   <i>CHI Conference on Human Factors in Computing Systems (EA)</i>	2019
<b>Social Sustainability of Online Instant Messaging Platform—WhatsApp</b> Shubhangi Gupta & Pankaj Upadhyay <i>Research into Design for a Connected World 2019</i>	2019

### Skills

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**Qualitative Research:** Interviews, Focus Groups, Ethnography, Field Studies, Usability Tests, Journey Mapping, Participatory Research, Research through Design, Coding (Inductive, Abductive, In vivo), Memoing, Thematic Analysis, Grounded Theory, Affinity Mapping

**Design:** Interaction Design (wire framing, high fidelity user interface and Prototyping), Participatory Design, Speculative Design, Tangible Embodied Design

**Quantitative Analysis and Statistical tools:** Surveys, Regression Analysis, Data Visualization, Python, Stata, Tableau, Mapbox

**Theoretical Research:** Science and Technology Studies (STS), Critical Data and Algorithmic Studies, and Responsible AI

### Select Achievements

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Invited to present at the ACCelerate Festival National Museum of American History, Washington, D.C.	2019, 2022
GVU people's choice award runner-up GVU Center at Georgia Tech	2019
Grace Hopper 2019 scholarship recipient College of Computing Georgia Tech	2019
Department Rank 2, Academics Department of Design at the Indian Institute of Technology, Guwahati	2018
IIT-JEE 2014, Amongst the top 0.2% of 1.35 million students who took the exam Indian Institute of Technology Joint Entrance Examination	2014

### References

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<b>Yanni Loukissas</b>   Associate Professor, Georgia Institute of Technology yanni.loukissas@lmc.gatech.edu	PhD Advisor
<b>Richmond Wong</b>   Assistant Professor, Georgia Institute of Technology rwong34@gatech.edu	PhD Committee Member
<b>Sara E Berger</b>   Research Scientist IBM Responsible and Inclusive Technology sara.e.berger@ibm.com	Internship Manager