

# Tanee S Agrawaal

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## RESEARCH INTERESTS

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Human-Computer Interaction (HCI), AI Ethics, Critical Computing, Climate Risk, Climate Change, Data Practices, Digital Interaction

## EDUCATION

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### University of Toronto

*Ph. D. in Computer Science, Specialization in Environmental Sciences*

Toronto, Canada

2021 - Present

### IIIT Delhi

*B.Tech in Electronics Communication and Engineering*

New Delhi, India

2014 - 2018

## EXPERIENCE

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### Graduate Research Assistant

*University of Toronto*

Sep. 2021 – Present

*Toronto, Canada*

### Graduate Teaching Assistant

*University of Toronto*

Sep 2021 - Present

*Toronto, Canada*

### Software Engineer

*Goldman Sachs*

June 2018 - Aug 2021

*Bengaluru, India*

### Student Researcher

*IBM Research*

Jan 2017 - Feb 2018

*New Delhi, India*

### Student Scholar

*Rails Girls Summer of Code*

Sep 2016 - May 2018

## PEER-REVIEWED PUBLICATIONS

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**Note:** Like many other branches of Computer Science, conferences are usually more prestigious and competitive venues than the journals in HCI and related subfields. These conferences are double-blinded peer-reviewed, archived, well-referenced, and extremely selective. Some of the top conferences on HCI, critical computing, climate change, environmental sustainability, and data practices include CHI, CSCW, ACM FaccT (previously FAT\*), DIS, and ACM COMPASS. [See Google Ranking for HCI venues].

1. **Tanee S Agrawaal**, Aarjav Chauhan, Carolina Nobre, Robert Soden. What's the Rush?: Alternative Values in Navigation Technologies for Urban Placemaking. In Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '24), 17 pages. <https://doi.org/10.1145/3613904.3642470>
2. **Tanee S Agrawaal**, Samar Sabie, Robert Soden. "Moving Towards Mobility Justice: Challenges and Considerations for Supporting Advocacy". Proc. ACM Hum.-Comput. Interact. 8, CSCW1, Article 96 (April 2024), 22 pages. <https://doi.org/10.1145/3637373>
3. (Accepted) Aarjav Chauhan, Dipto Sarkar, **Tanee S Agrawaal**, Robert Soden. "Value Tensions in OpenStreetMap: Openness, Membership and Policy in Online Communities". Proc. ACM Hum.-Comput. Interact. 8, CSCW1 (ACM CSCW 2024).
4. Robert Soden, **Tanee S Agrawaal**, Austin Lord, Cassandra Chanen, Lillian Flawn, Zeina Seaifan, Michael Classens, Steve Easterbrook. "Climate Data Practices: A Research Approach for HCI and Climate Justice". *Under Review* in ACM Transactions on Computer-Human Interaction (ACM TOCHI).
5. **Tanee S Agrawaal\***, Harsh Kumar\*, Kwan Kiu Choy, Jiakai Shi, and Joseph Jay Williams. "Sounds like a Cheesy Radio Ad": Using User Perspectives for Enhancing Digital COVID Vaccine Communication Strategies for Public Health Agencies." In CHI Conference on Human Factors in Computing Systems Extended Abstracts (ACM CHI 2022). <https://doi.org/10.1145/3491101.3519760>

6. Madaan, Nishtha, Sameep Mehta, **Tanee S Agrawaal**, Vrinda Malhotra, Aditi Aggarwal, Yatin Gupta, and Mayank Saxena. "Analyze, detect and remove gender stereotyping from bollywood movies." In Conference on fairness, accountability and transparency (ACM FaaT'18).  
<https://proceedings.mlr.press/v81/madaan18a.html>

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## LIGHTLY-REVIEWED PUBLICATIONS

**Note:** These publications might only follow one or more features of the peer-reviewed publication format.

1. **Tanee S Agrawaal**, Steve M. Easterbrook, and Robert Soden. "Supporting Low-Emission Transport Transitions Through Equitable and Just Climate Data Practices." AGU23 (2023).

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## WORKSHOP PUBLICATIONS

**Note:** Most HCI conferences host workshops on specialized topics within HCI as part of the conference. These workshops have a cfp, and might follow a peer review format based on the conference and workshop organizers.

1. **Tanee S Agrawaal**, Robert Soden. "Data Practices for Supporting Sustainable Transportation Transitions". Workshop on Data-enabled Sustainability at ACM CSCW, 2023.
2. **Tanee S Agrawaal**, Robert Soden. "Data Practices to Support Mobility Justice". Workshop on Environmental Justice at ACM CSCW, 2023.
3. Priyanka Verma\*, **Tanee S Agrawaal\***. "Beyond Convenience: Exploring the Complexities of Financial Technology Adoption among Immigrants". Workshop on Pluralism at ACM CSCW, 2023.

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## ARXIV PUBLICATIONS

1. Madaan, Nishtha, Sameep Mehta, **Tanee S Agrawaal**, Vrinda Malhotra, Aditi Aggarwal, Yatin Gupta, and Mayank Saxena. "Analyzing gender stereotyping in Bollywood movies". <https://arxiv.org/abs/1710.04117>
2. Madaan, Nishtha, Sameep Mehta, Mayank Saxena, Aditi Aggarwal, **Tanee S Agrawaal**, and Vrinda Malhotra. "Bollywood Movie Corpus for Text, Images and Videos". <https://arxiv.org/abs/1710.04142>

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## AWARDS AND HONORS

<b>Beatrice "Trixie" Worsley Graduate Scholarship in Computer Science</b> <i>University of Toronto</i> <ul style="list-style-type: none"><li>• 4,000 CAD given to PhD students based on academic merit who have actively helped promote women in CS.</li></ul>	Jan 2024 <i>Toronto, Canada</i>
<b>Schwartz Reisman Institute (SRI) Graduate Fellow</b> <i>University of Toronto</i> <ul style="list-style-type: none"><li>• 7,500 CAD given only to 15 graduate students across disciplines at University of Toronto</li></ul>	May 2023 - May 2024 <i>Toronto, Canada</i>
<b>University of Toronto School of Cities Graduate Fellow</b> <i>University of Toronto</i> <ul style="list-style-type: none"><li>• Awarded 2,000 CAD to pursue a research project</li></ul>	Aug 2022 <i>Toronto, Canada</i>
<b>Grace Hopper Scholar</b>	Sep 2022
<b>ACM FaccT Travel Grant</b> <ul style="list-style-type: none"><li>• Awarded 1,500 USD to present accepted paper</li></ul>	Feb 2018
<b>Google Codejam to I/O for Women Awardee</b>	May 2018

## TEACHING EXPERIENCE

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<b>CSC300: Computers and Society</b> <i>Teaching Assistant</i>	Winter 2024 <i>University of Toronto</i>
<b>INF1339: Introduction to Computational Thinking</b> <i>Teaching Assistant</i>	Fall 2023 <i>iSchool, University of Toronto</i>
<b>MScAc CSC2701: Scientific Communication</b> <i>Teaching Assistant</i>	Fall 2023 <i>University of Toronto</i>
<b>CSC108: Introduction to Programming</b> <i>Teaching Assistant</i>	Fall 2023 <i>University of Toronto</i>
<b>CSC318: Design of Interactive Media and UX</b> <i>Teaching Assistant</i>	Fall 2023 <i>University of Toronto</i>
<b>CSC300: Computers and Society</b> <i>Teaching Assistant</i>	Winter 2023 <i>University of Toronto</i>
<b>PRISM Research Program for Undergraduates</b> <i>Graduate Mentor</i>	Winter 2023 <i>University of Toronto</i>
<b>CSC318: Design of Interactive Media and UX</b> <i>Teaching Assistant</i>	Fall 2022 <i>University of Toronto</i>
<b>Multidisciplinary Urban Capstone Project</b> <i>Graduate Mentor</i>	Winter 2022 <i>School of Cities, University of Toronto</i>
<b>CSC108: Introduction to Programming</b> <i>Teaching Assistant</i>	Winter 2022 <i>University of Toronto</i>
<b>CSC428/514: Introduction To Human-Computer Interaction</b> <i>Teaching Assistant</i>	Fall 2021 <i>University of Toronto</i>
<b>Computer Architecture and Operating System</b> <i>Teaching Assistant</i>	Fall 2017 <i>IIT Delhi</i>
<b>Systems Management</b> <i>Teaching Assistant</i>	Fall 2016 <i>IIT Delhi</i>

## INVITED TALKS

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<b>Human Centered Design</b> <i>IIT Delhi</i>	April 2024
<b>Panelist — AI4Girls Workshop @ AAI</b> <a href="https://ai4g.computergeeky.org/">https://ai4g.computergeeky.org/</a>	Feb 2022
<b>Lightning Talk</b> <i>RubyConf India</i> <ul style="list-style-type: none"><li>• Slide Link</li></ul>	March 2017

## ACADEMIC SERVICE

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**Newsletter Editor, ACM-W Magazine**

**Reviewer, ACM CHI**

**Reviewer, ACM CSCW**

**Reviewer, ACM NordiCHI**

**Student Volunteer, ACM Facct**

**Mentor, Grad Application Assistance Program@UofT**

## VOLUNTEERING AND OUTREACH

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### **Girls SySTEM — Toronto**

Present

*Mentor*

### **Graduate Application Assistance Program**

Fall 2021

*Mentor*

*University of Toronto*

### **HER Code Camp**

Present

*Mentor*

*University of Toronto*

- Mentoring 10 high school students in basic Python programming and Machine Learning principles.

### **Indian Women in Engineering**

2018 - 2021

*Core Member*

*Goldman Sachs*

### **Rails Girls Summer of Code**

2020

*Organizing Committee Member*

### **Rails Girls New Delhi**

2017

*Cofounder*

*Delhi, India*

## REFERENCES

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1. Robert Soden (Assistant Professor, University of Toronto)
2. Steve Easterbrook (Professor, University of Toronto)
3. Carolina Noble (Assistant Professor, University of Toronto)
4. Dheeraj Sanghi (Vice Chancellor, JKLU India)
5. Sameep Mehta (Principal Scientist, IBM Research India)

- Last updated: May 2024 -