

# Ningjing Tang

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## EDUCATION

**B.E. in Computer Science and Technology, Tsinghua University, Beijing, China**

2018.09 - Present

## PUBLICATIONS

**Ningjing Tang**, Lei Tao, Bo Wen, and Zhicong Lu. 2022. Dare to Dream, Dare to Livestream: How E-Commerce Livestreaming Empowers Chinese Rural Women. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22). ACM. <https://doi.org/10.1145/3491102.3517634>

## WORK IN PROGRESS

Designing Conversational Agent's Follow up Questions for Information Elicitation  
Paper in preparation for CSCW2023 (as the third author)

Nudging Toward Prosocial Behaviors via Curating Recommender Systems on Short-video Platforms

Paper in preparation for CSCW2023 (as the leading author)

## RESEARCH EXPERIENCE

### AI-assisted Conversational Agent for Information Elicitation

*Research Assistant, Tsinghua University-Alibaba Joint Research Laboratory for Natural Interaction Experience*

2020.10 - Present

- **Advisors:** Jiaxiong Hu, Yingqing Xu
- Independently built a BERT-based retrieval deep learning model for follow-up questions generation
- Study findings: Provided empirical evidence about the types of follow-up questions effects on information elicitation, user acceptance, readability and relevance evaluation in the semi-structured interview scenario

### Qualitative Research on Rural Female Streamers

2021.06 - 2021.12

- **Advisors:** Zhicong Lu, Bo Wen
- Independently recruited participants through online invitations and conducted research on female rural e-commerce streamers who go live streaming to sell local products on Taobao and Douyin(TikTok's Chinese version)
- Organized semi-structured interviews with 9 rural female e-commerce streamers to investigate their motivations and experiences as a streamer
- Qualitative analysis results showed that the streamers were facing stigmas within local patriarchal society but also receiving support and feeling empowered in their livestreaming career

## Promoting Douyin Users' Prosocial Behaviors by Content Curation

2022.07 - Present

- **Advisors:** Zhicong Lu, Bo Wen
- Using topic modeling method to filter video data collected from Douyin (TikTok's Chinese version) and successfully filtered out irrelevant videos by human evaluation
- Independently implemented a simulated short-video app using Flutter framework, based on a content-based recommender model which is both personalized and value-integrated
- Independently trained a classifier using deep-learning model by pytorch, which could quantify and measure how much a video reflects and represent prosocial values

## EMPLOYMENT EXPERIENCE

**Airbnb, Beijing** - *Software Engineer Intern*

2021.09 - 2021.12

Individually launched a feature for Airbnb bot to address on-trip safety issues for customers across the world (programming language: Java and Ruby)

## VOLUNTEER EXPERIENCE

**Beijing LGBT Center, Beijing** - *Software Engineer*

2021.09

Volunteered to help build a chatbot for LGBTQ+ people

**Coding Girls, Remote** - *Tutor*

2022.07 - 2022.08

Taught python remotely for junior high school students from Xinjiang, China

## AWARDS

**Asian CHI symposium 2022 Best Paper Runner up**

**Finalist Award in Mathematical Contest In Modeling(MCM)**

Top 2%, Consortium for Mathematics and its Applications

## SKILLS

Quantitative Analysis: Natural Language Processing (Topic Modeling, Deep-learning Models)

Qualitative Methods: Content Analysis, Semi-structured Interview

Programming Skills: C++, Python(pytorch), CSS, Javascript, HTML (VUE), Java