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Research	Facilitate pro-social social agents that interact cooperatively and positively, align with human values, and contribute to the well-being of individuals and society.	
Education	Carnegie Mellon University , Pittsburgh, PA PhD in Computer Science (Language Technologies)	Aug 2022
	University of Washington , Seattle, WA M.Sc in Computational Linguistics Advisor: Noah Smith	Sep 2019–Jun 2021
	Nanjing University , Nanjing, China B.Sc in Statistics, Department of Mathematics Advisor: Shujian Huang	Sep 2015–Jun 2019
	University of California Berkeley (visiting student), Berkeley, CA	Aug 2017–May 2018
Publications (* Equal contribution)	<p>SOTOPIA: Interactive Evaluation for Social Intelligence in Language Agents Xuhui Zhou*, Hao Zhu*, Leena Mathur, Ruohong Zhang, Zhengyang Qi, Haofei Yu, Louis-Philippe Morency, Yonatan Bisk, Daniel Fried, Graham Neubig, Maarten Sap <i>Under review of ICLR, 2024</i></p> <p>WebArena: A Realistic Web Environment for Building Autonomous Agents Shuyan Zhou, Frank F. Xu, Hao Zhu, Xuhui Zhou, Robert Lo, Abishek Sridhar, Xianyi Cheng, Yonatan Bisk, Daniel Fried, Uri Alon, Graham Neubig <i>Under review of ICLR, 2024</i></p> <p>Can LLMs Keep a Secret? Testing Privacy Implications of Language Models via Contextual Integrity Theory Niloofar Mireshghallah*, Hyunwoo Kim*, Xuhui Zhou, Yulia Tsvetkov, Maarten Sap, Reza Shokri, Yejin Choi <i>Under review of ICLR, 2024</i></p> <p>FANTOM: A Benchmark for Analyzing Theory of Mind in Conversations Hyunwoo Kim, Melanie Sclar, Xuhui Zhou, Ronan Le Bras, Gunhee Kim, Yejin Choi, Maarten Sap <i>EMNLP, 2023</i></p> <p>Don't Take This Out of Context! On the Need for Contextual Models and Evaluations for Stylistic Rewriting Akhila Yerukola, Xuhui Zhou, Maarten Sap <i>EMNLP, 2023</i></p> <p>Learning to translate by learning to communicate C.M. Downey*, Xuhui Zhou*, Leo Z. Liu, Shane Steinert-Threlkeld <i>EMNLP MRL, 2023</i></p> <p>Clever Hans or Neural Theory of Mind? Stress Testing Social Reasoning in Large Language Models Natalie Shapira, Mosh Levy, Hossein Seyed Alavi, Xuhui Zhou, Yejin Choi, Yoav Goldberg, Maarten Sap, and Vered Shwartz <i>Preprint, 2023</i></p> <p>Cobra 🐍 Frames: Contextual Reasoning about Effects and Harms of Offensive Statements Xuhui Zhou, Hao Zhu, Akhila Yerukola, Thomas Davidson, Jena D. Hwang, Swabha Swayamdipta, Maarten Sap <i>Findings of ACL, 2023</i></p>	

Annotators with Attitudes: How Annotator Beliefs And Identities Bias Toxic Language Detection

Maarten Sap, Swabha Swayamdipta, Laura Vianna, **Xuhui Zhou**, Yejin Choi, Noah A. Smith
NAACL, 2022

Emergent Communication Fine-tuning (EC-FT) for Pretrained Language Models

Shane Steinert-Threlkeld, **Xuhui Zhou**, Zeyu Liu, C. M. Downey
ICLR EmeCom, 2022

🏆 Runner-up Best Paper

Extracting and Inferring Personal Attributes from Dialogue

Zhilin Wang, **Xuhui Zhou**, Rik Koncel-Kedziorski, Alex Marin, Fei Xia
ACL ConvAI, 2022

Challenges in Automated Debiasing for Toxic Language Detection

Xuhui Zhou, Maarten Sap, Swabha Swayamdipta, Noah A. Smith, Yejin Choi
EACL, 2021

Linguistically-Informed Transformations (LIT): A Method for Automatically Generating Contrast Sets

Chuanrong Li*, Lin Shengshuo*, Zeyu Liu*, Xinyi Wu*, **Xuhui Zhou***, Shane Steinert-Threlkeld
EMNLP BlackboxNLP, 2020

Multilevel Text Alignment with Cross-Document Attention

Xuhui Zhou, Nikolaos Pappas, Noah A. Smith
EMNLP, 2020

Evaluating Commonsense in Pre-trained Language Models

Xuhui Zhou, Yue Zhang, Leyang Cui, Dandan Huang
AAAI, 2020

RPD: A Distance Function Between Word Embeddings

Xuhui Zhou, Zaixiang Zheng, Shujian Huang
ACL Student Research Workshop, 2020

Research
Experience

Machine Intelligence @ Apple

Research Intern

Mentors: [Sarthak Garg](#), [Shayne Longpre](#), [Joachim Daiber](#)

March 2021–Sep 2021

Noah's Ark @ University of Washington

Research assistant

Mentors: [Maarten Sap](#), [Swabha Swayamdipta](#), [Nikolaos Pappas](#)

Sep 2019–June 2021

CLMBR @ University of Washington

Research assistant

Mentor: [Shane Steinert-Threlkeld](#)

Jan 2019–Now

Text Intelligence Lab @ Westlake University

Research assistant

Mentor: [Yue Zhang](#)

May 2019–Sep 2019

SUTD NLP @ Singapore University of Technology and Design

Research intern

Mentor: [Yue Zhang](#)

Jun 2018–Aug 2018

DSS @ University of California, Berkeley

Research committee member

Jun 2017–Apr 2018

Service

Organizing:

- Theory-of-Mind Workshop at ICML 2023
- LTI Student Research Symposium 2023

Program Committee & Reviewing:

Journals & Conferences

- **TLMR** 2023

- **ACL** 2021, 2023
- **ACL ARR** 2021-2023
- **NeurIPS** 2023

Workshops

- Workshop on Multimodal Content Moderation (MMCM) at CVPR 2023
- NLP4PI at ACL 2021

Volunteer: EAACL 2021, EMNLP 2020, ACL2020, 2018 Singapore Symposium on NLP