XIN SUN

Amsterdam, Netherlands | Email: xin.von.sun@gmail.com | Mobile: +31 (0)630113542

EDUCATION

Ph.D: University of Amsterdam & Centrum Wiskunde Informatica (CWI), Netherlands   **May.2021 — Current**
Topic: Role of Human Values and Perspectives for LLM-powered Trustworthy and Explainable Healthcare
(**NLP Focus:**) Aligning LLMs with domain expertise in delivering psychotherapy for health intervention
(**HCI-Experimental Psychology Focus:**) Understanding trust in generative AI through behavioral and physiological sensing

MSc: Heidelberg University, Faculty Mathematics and Informatics, Germany   **Nov.2017 - Jan.2021**
Major: Scientific Computing (Math & NLP)   German grades: 1.8 / 5.0

BSc: Xidian University (211 Project), Faculty Mathematics and Statistics, China   **Sep.2011 - Jul.2015**
Major: Computational Mathematics   GPA: 83.62   Ranking: 15%

RESEARCH AND WORKING EXPERIENCE

Alibaba Group, New Retail Technology Group , China   **May.2020 – Oct.2020**
NLP Algorithm Engineer   *Full-time Internship*
- Key phrases extraction and summary generation - Active learning - Data augmentation

SAP, Intelligent Data & Analytics group, Germany   **Apr.2019 – Oct.2019**
Data Scientist   *Full-time Internship*
- Stochastic data forecasting - SAP HANA / Feature engineering / Data visualization

Applied Technology Research Institute of Tsinghua University in Wuxi, China   **Jul.2018 – Sep.2018**
Machine Learning Researcher   *Full-time Internship*
- ECG data prediction and Knowledge Graph construction for heart states

CONFERENCE PUBLICATIONS (FIRST-AUTHOR ONLY)

COLING 2025 - International Conference on Computational Linguistics
- Rethinking the Alignment of Psychotherapy Dialogue Generation with Motivational Interviewing Strategies
- How Well Can LLMs Reflect? A Human Evaluation of LLM-generated Reflections for Motivational Interviewing Dialogues

CSCW 2024 - Computer-Supported Cooperative Work And Social Computing
- Exploring Trust Perception in Health Information from Large Language Models via Text, Speech, and Embodiment

COLING 2024 - International Conference on Computational Linguistics
- Eliciting Motivational Interviewing Skill Codes in Psychotherapy with LLMs: A Bilingual Dataset and Analytical Study

CHI 2024 - ACM Conference on Human Factors in Computing Systems (Poster)
- Trust by Interface: How Different User Interfaces Shape Human Trust in Health Information from Large Language Models

CUI 2024 - ACM Conference on Conversational User Interfaces
- Can a Funny Chatbot Make a Difference? Infusing Humor into Conversational Agent for Behavioral Intervention

CSCW 2023 - Computer-Supported Cooperative Work And Social Computing (Poster)
- Plug and Play Conversations: The Micro-Conversation Scheme for Modular Development of Hybrid CA

HHAI 2023 - Frontiers in Artificial Intelligence and Applications
- Virtual Support for Real-World Movement: Using Chatbots to Overcome Barriers to Physical Activity

IUI 2023 - ACM Conference on Intelligent User Interfaces (Poster)
- TIMELY: Providing In-Time Support for Cardiovascular Rehabilitation with 'Patients and Practitioners in the Loop'
- Human-in-the-Loop Interaction for Continuously Improving Generative Model in CAs for Behavioral Intervention

LREC 2020 - International Conference on Language Resources and Evaluation
- LibriVoxDeEn - A Corpus for German-to-English Speech-Translation and Speech Recognition

Pre-print manuscripts

- Aligning LLMs with Expert-Crafted Dialogues and Therapeutic Strategies for Psychotherapy (**RCTs with Sensor Tracking**) - (Under reviewing by anonymous HCI conference)
- Chain-of-Strategy Planning with LLMs: Aligning the Generation of Psychotherapy Dialogue with Strategy in MI
- Trusting the Search: Unraveling Human Trust in Health Information from Google and ChatGPT

JOURNAL PUBLICATIONS

- Trust in AI-Generated Information with Behavioral and Physiological Sensing (**Eye-tracking and physiological study**) - (Under reviewing by ACM Transactions on Computer-Human Interaction (TOCHI))
- From Agents to Interfaces: Exploring Trust in Health Information from Conversational Search (**Mixed-methods study**) - (Under reviewing by International Journal of Human-Computer Interaction (IJHCI))
- A patient-centered risk prediction, prevention and intervention platform to support the continuum of care in coronary artery disease using eHealth and artificial intelligence (**Randomized controlled trial**) - (Under reviewing by Journal of Medical Internet Research)

REVIEWING EXPERIENCE

- As a reviewer in the area of HCI: CHI2024; CHI2025; CHI Play2023; CHI Play2024; CUI2023; CUI2024; Frontiers-in-Physiology (Journal); IJHCI (Journal);
- As a reviewer in the area of NLP: COLING2025; TOIS (Journal);

SUPERVISION EXPERIENCE

Bachelor Thesis Projects

- 2024.09-2024.12 Alicia Dräger; Lan Dang; Nora Zouli University of Amsterdam. Trusting the Search: Unraveling Human Trust in Health Information from Google and ChatGPT. arXiv [Cs.HC] (2024).
- 2022.11-2023.03 Dimosthenis Casula; Arathy Navaratnam; Anna Popp; Franziska Knopp; Giovanni Busini; Jan Wesołowski University of Amsterdam. Virtual Support for Real-World Movement: Using Chatbots to Overcome Barriers to Physical Activity. Frontiers in Artificial Intelligence and Applications HHAI 2023

Master Thesis Projects

- 2023.09-2024.02 Isabelle Teljeur MSc Thesis in Brain and Cognition University of Amsterdam. The Impact of a Humorous vs. Non-Humorous Communication Style in a Chatbot Physical Activity Intervention: The Mediating Roles of User Engagement and Motivation. ACM Conversational User Interfaces 2024
- 2023.04-2023.10 Sofya Selivanova MSc Thesis in Clinical Psychology University of Amsterdam. Chatbot vs Clinician: What Diagnostic Method of Depression is More Accurate and Satisfactory?
- 2022.09-2023.02 Isa de Vries MSc Thesis in Clinical Psychology University of Amsterdam. The Effect of Affirmations on Change Talk in Chatbots.

PROFESSIONAL SKILLS

Programming: Python / JavaScript / SQL / PyTorch
R&D: Machine & Deep learning / NLP & NLG / Web & APIs & Conversational agents development
Data Analysis: Qualitative and Quantitative / Behavioral and Physiological data
User Study: Interview, Survey, Behavior and Physiological Study (e.g., Eye-tracking, ECG, EDA)
Speaking language: Mandarin Native - English C1 - German B1