# Shuhaib Mehri

https://shuhaibm.github.io
mesm.shuhaib@gmail.com

## Research Interests

I am broadly interested in human-centered AI. My current research explores (1) multi-turn and mixed-initiative conversational agents, (2) continual learning throughout multi-session interactions, and (3) reliable and realistic user simulation.

## Education

**University of Illinois Urbana-Champaign** *Aug. 2024 - Present*
*Ph.D. in Computer Science, Advisor: Prof. Dilek Hakkani-Tür*

**University of British Columbia** *Sep. 2019 - May 2024*
*B.Sc. Honours Computer Science, Advisors: Prof. Vered Shwartz, Giuseppe Carenini*

## Publications

[1] **Long-Term Collaborative Agents with Lifelong Memory**
Shuhaib Mehri, Dilek Hakkani-Tür.
*(In Progress)*

[2] **Mitigating Catastrophic Forgetting in Non-Parametric Memory**
Shuhaib Mehri, Sumuk Shashidhar, Dilek Hakkani-Tür.
*(In Progress)*

[3] **Goal Alignment in LLM-Based User Simulators for Conversational AI**
Shuhaib Mehri, Xiaocheng Yang, Takyoung Kim, Gokhan Tur, Shikib Mehri, Dilek Hakkani-Tür.
*TACL 2025*

[4] **Intrinsic-RAG: Orchestrating LLM Intrinsics for Enhanced Retrieval-Augmented Generation**
Shuhaib Mehri, Krishnateja Killamsetty, Vraj Shah, Lucian Popa, Marina Danilevksy.

[5] **Must Read: A Systematic Survey of Computational Persuasion**
Nimet Beyza Bozdag, Shuhaib Mehri, Xiaocheng Yang, Hyeonjeong Ha, Zirui Cheng, Esin Durmus, Jiaxuan You, Heng Ji, Gokhan Tur, Dilek Hakkani-Tür.
*TMLR 2025 (under submission)*

[6] **PIPA: A Unified Evaluation Protocol for Diagnosing Interactive Planning Agents**
Takyoung Kim*, Janvijay Singh*, Shuhaib Mehri*, Emre Can Acikgoz, Sagnik Mukherjee, Nimet Beyza Bozdag, Sumuk Shashidhar, Gokhan Tur, Dilek Hakkani-Tür.
*NeurIPS 2025 MTI-LLM*

[7] **Persuade Me if You Can: A Framework for Evaluating Persuasion Effectiveness and Susceptibility Among Large Language Models**
Nimet Beyza Bozdag, Shuhaib Mehri, Gokhan Tur, Dilek Hakkani-Tür.
*ICLR 2026 (under submission)*

[8] **Beyond Sample-Level Feedback: Using Reference-Level Feedback to Guide Data Synthesis**
Shuhaib Mehri, Xiusi Chen, Heng Ji, Dilek Hakkani-Tür.
*EACL 2025 (under submission)*

[9] **Discourse Relation Recognition with Language Models Under Different Data Availability**
Shuhaib Mehri, Chuyuan Li, Giuseppe Carenini.
*EMNLP 2025 CODI*

[10] **Exploiting Questions Under Discussion for Discourse Relation Recognition in Dialog**
Shuhaib Mehri, Chuyuan Li, Giuseppe Carenini.
*EACL 2024 CODI*

[11] **Automatic Evaluation of Generative Models with Instruction Tuning**
Shuhaib Mehri, Vered Shwartz.
*EMNLP 2023 GEM*

## Professional Experience

**IBM Research** *May. 2025 – Aug 2025*

*Research Scientist Intern, Scalable Knowledge Intelligence Team*

- Built a dynamic routing system for RAG pipelines that orchestrates specialized LLM intrinsics based on real-time feedback signals to improve response efficiency and quality.

**iClinic Systems Inc.** *Dec. 2023 – May 2024*

*Research Scientist Intern*

- Awarded the *Mitacs Accelerated Fellowship for Master's and PhD Students* as an undergraduate student, under the recommendation of Prof. Vered Shwartz.
- Worked on an information extraction pipeline tailored for clinical documents, and designed evaluations using synthetic data generation.

**Amazon** *Jan. 2023 – Aug. 2023*

*Software Development Engineer Intern, Gurupa Team*

- Owned the end-to-end creation of an interactive data visualization tool that streamlined the migration from Amazon's core page rendering engine. Resulted in a fully operation web application deployed to production.

**Amazon** *May 2022 – Aug. 2022*

*Software Development Engineer Intern, Dram Team*

- Built a command line interface that uses cloud computing to generate and register consumer ready metadata, enabling developers to create/manage Amazon web pages.

**Clir Renewables** *Sep. 2021 – Dec. 2021*

*Software Development Engineer Intern*

- Built and deployed a management software solution for renewable energy assets.

## Teaching

**University of British Columbia** *Sep 2020 – May 2024*

Teaching Assistant for *Models of Computation (CPSC 121)* and *Intro to Software Engineering (CPSC 310)*

## Awards

*Mitacs Accelerate Fellowship* *2023*