

# SAMI: AI-Mediated Social Interaction in Online Learning

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## Background & Motivation



Due to the physical and spatial disconnect, online learners frequently experience **social isolation** that negatively impacts students' well-being and learning experiences.



Online learners leave large amounts of digital footprint, which could be leveraged by AI to help them connect with each other through **AI-mediated social interaction**.

## SAMI (Social Agent Mediated Interaction)

**L** Lily M.  
Hello! My name is Lily. I live and work in San Diego as a Software Engineer. I am in my fourth semester of the OMSCS program and very excited. I have two kids under two years old and I like to play drums to cope with the bits of stress from having two kids. #connectme

**SAMI STAFF**  
Hi Lily. Welcome to the course - I think you will enjoy it. 🍷

#connectme

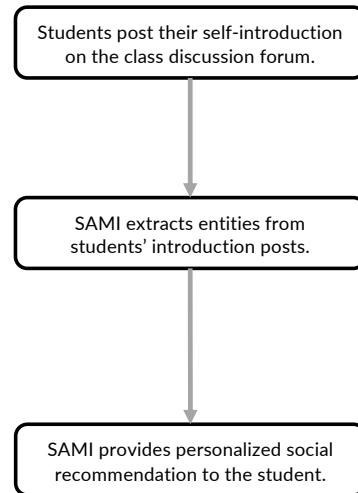
Just take a few minutes to get to know your fellow classmates. You may be interested in connecting with these students!

Interest: Playing Drums

- Brandon C. @ [their intro](#)
- Zhiyu Z. @ [their intro](#)
- Amelia P. @ [their intro](#)

City: San Diego

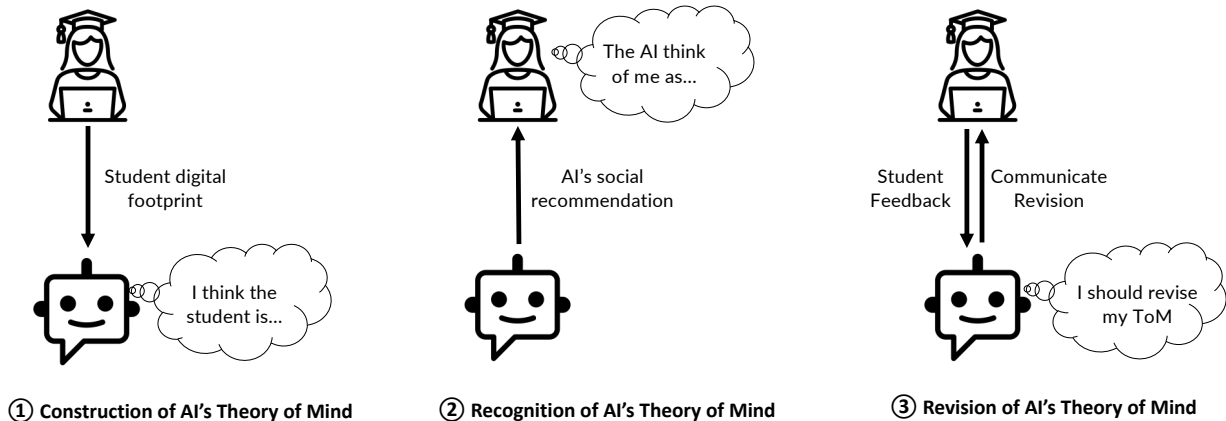
- Tammy L. @ [their intro](#)
- Selina B. @ [their intro](#)
- Terry M. @ [their intro](#)



"SAMI's useful because manually, I may never find the person I'm interested in talking to. But SAMI can find some students I might want to connect with for me."

"I like SAMI a lot, especially the #ConnectMe. This is sending the student a signal that there's people who are interested in chatting with other students."

## Mutual Theory of Mind in AI-Mediated Social Interaction



## Acknowledgement

We thank Eric Gregori, Shan Jing, and David Joyner for their help and support on this project. This research has been supported by internal grants from Georgia Tech.