# **Facilitating Continuous Text Messaging in Online Romantic Encounters by Expanded Keywords Enumeration**

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#### **Problem**

People meet their partners online (e.g., FB, Instagram, Tinder)



Developing a conversation is challenging between strangers in online romantic encounters [1, 2]

[1] Zytko et al., GROUP 2016 [2] Zytko et al., CHI EA 2016

### System: Topic reminder (TOMI)

Enumerates five topic recommendations for a received message in real-time

hahaha there are a lot of more excellent people here 😂	For a received message (example)
You also manage to enter ust	I sometimes cook snacks for my cat.
hahh so you will start your first semester of PG in ust?	Stanford CoreNLP
Humm, I think really depends on what they did in high school too	•
Back in my time it's easier to enter :)	Part-of-Speech Tags
btw, what's your major?	I sometimes cook snacks for my cat. PRP RB VB NNS IN PRP NN
oh good luck! haha btw, what's your major?	Dependencies
knowledge physics math fiction research	PRP RB advmod VBP dobj NNS IN PRP\$ nmod:poss NN   I sometimes cook snacks for my cat

Type here ;)

#### 1 ' 1

## **Qualitative Study on User Practices**

Recruited eight dyads of strangers

Direct and Indirect Use of Suggestions

A: "I went to China"

[plate, red, **food**, population, country] B: "How was food there?"

A: "I like jazz music"

[sound, **play**, song, band, **piano**] B: "Do you play any **instrument**?"

Perceptions of Senders and Receivers

Boosting Senders' Confidence



Unnoticeable to Receivers



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