



# Hanwen Tong

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🌐 <https://github.com/HavenTong>  
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Gender: Male  
Birthday: 06/27/1999



## Education

**Fudan University | Computer Software and Theory | Master** Sept. 2021 – Present

- Knowledge Works Laboratory | Advisor: Prof. Yanghua Xiao
- Research Interest: Short text understanding and generation、Knowledge Graph

**East China Normal University | Software Engineering | Bachelor** Sept. 2017 – Jul. 2021

- GPA: 3.85 / 4.0 | Rank: Top1 (1/189) | TOEFL: 101 | CET6: 576
- Have engaged in 2 national innovation projects as leader and 1 city-level innovation project
- Own 2 Software Copyrights

## Publication

**Hanwen Tong**, Chenhao Xie, Jiaqing Liang, Qianyu He, Zhiang Yue, Jingping Liu\*, Yanghua Xiao\*, and Wenguang Wang. "A Context-Enhanced Generate-then-Evaluate Framework for Chinese Abbreviation Prediction". In Proceedings of the 31st ACM International Conference on Information and Knowledge Management (CIKM '22)

- Current approaches cannot ensure that the predicted abbreviation preserves the meaning of its full form and maintains fluency
- A novel two-stage generate-then-evaluate framework enhanced by context, consisting of a generation model to generate multiple candidate abbreviations and an evaluation model to evaluate their quality within their contexts

## Projects

**Huawei–Knowledge Engineering Research Project–QA System** Jul. 2021 – Present

*One of the main participants*

- Summarize the question intention set and build the question classification system and the evaluation metrics of question complexity
- Responsible for the intention classification module and slot extraction module
- Summarize & implement the strategy for generating complex questions and multi-turn questions

**Entity Extraction in Radar Domain** Dec. 2020 – Apr. 2021

*One of the main participants*

- Communicate with the domain experts to determine the data source, label set and annotation rule
- Construct the NER dataset in radar domain
- Train and encapsulate the NER model: BERT + BiLSTM + CRF

**ByTheWindow–APP For Propogating Festival Custom** Nov. 2019 – Nov. 2020

*Project leader, iOS Developer*

<https://github.com/JJAYCHEN1e/ByTheWindow>

- Utilize creative interactions combined with AI, AR to show festival custom on mobile devices
- Implement the training and deployment of matching-couplet model and UI by SwiftUI
- Implement the scene and interactions of making rice dumplings by SwiftUI

**MEETHERE–Stadium Reservation Management System** Oct. 2019 – Jan. 2020

*Back-end developer*

<https://github.com/HavenTong/MeetHere-backend>

- Responsible for the architecture and configuration of the back-end project; utilize Spring Boot 2.2.1 as framework, mybatis-3 as ORM framework, MySQL 8.0 & Redis 5.0 as DB
- Implement identity authentication by JWT combined with Spring AOP; utilize validation-api for parameter validation
- Complete the Unit Testing by JUnit 5 & Mockito 3.x and automate the Integration Testing

## Honors & Awards

- **Graduated with honor:** Outstanding Graduate of Shanghai in 2021
- **National Scholarship** in 2018-2019, 2019-2020 academic year; **The First Prize Scholarship** in 2017-2018 academic year
- **National First Prize** in The 3rd "iTeach" National College Students digital education application innovation competition