

# YINPEI DAI

Email: daiyp@umich.edu ◇ Webpage: <https://yinpeidai.github.io> ◇ Phone: 1-734-834-7515

## EDUCATION

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<b>University of Michigan</b> Ph.D. in Computer Science and Engineering.	Ann Arbor, USA 2022.09 - present
<b>Tsinghua University</b> M.S. in Information and Communication Engineering.	Beijing, China 2016.09 - 2019.07
<b>Tsinghua University</b> B.S. in Mathematics and Physics.	Beijing, China 2012.09 - 2016.07

## PUBLICATIONS

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In chronological order

- [1]. Wanwei He, **Yinpei Dai**, Yinhe Zheng, Yuchuan Wu, Zheng Cao, et al, “*GALAXY: A Generative Pre-trained Model for Task-Oriented Dialog with Semi-Supervised Learning and Explicit Policy Injection*”, in AAAI 2022
- [2]. **Yinpei Dai**, Hangyu Li, Yongbin Li, Jian Sun, Fei Huang, Luo Si, and Xiaodan Zhu, “*Preview, Attend and Review: Schema-Aware Curriculum Learning for Multi-Domain Dialog State Tracking*”, in ACL-IJCNLP, 2021
- [3]. Bo-Hsiang Tseng, **Yinpei Dai**, Florian Kreyssig, and Bill Byrne. “*Transferable Dialogue Systems and User Simulators*”, in ACL-IJCNLP, 2021
- [4]. Yajing Sun, Yong Shan, Chengguang Tang, Yue Hu, **Yinpei Dai**, Jing Yu, Jian Sun, Fei Huang, and Luo Si, “*Unsupervised Learning of Deterministic Dialogue Structure with Edge-Enhanced Graph Auto-Encoder*”, in AAAI, 2021
- [5]. **Yinpei Dai**, Yichi Zhang, Hong Liu, Zhijian Ou, Yi Huang, and Junlan Feng, “*Elastic CRFs for Open-Ontology Slot Filling*”, in Applied Sciences, 2021
- [6]. **Yinpei Dai**, Hangyu Li, Chengguang Tang, Yongbin Li, Jian Sun, and Xiaodan Zhu, “*Learning Low-Resource End-To-End Goal-Oriented Dialog for Fast and Reliable System Deployment*”, in ACL, 2020
- [7]. Yichi Zhang, **Yinpei Dai**, Zhijian Ou, Huixin Wang, Junlan Feng, “*Improved Learning of Word Embeddings with Word Definitions and Semantic Injection*”, in INTERSPEECH, 2020
- [8]. Lina Rojas-Barahona, Bo-Hsiang Tseng, **Yinpei Dai**, Clare Mansfield, Osman Ramadan, Stefan Ultes, Michael Crawford, and Milica Gašić, “*Deep Learning for Language Understanding of Mental Health Concepts Derived From Cognitive Behavioural Therapy*”, in LOUHI, 2018
- [9]. **Yinpei Dai**, Zhijian Ou, Dawei Ren, and Pengfei Yu, “*Tracking of Enriched Dialog States for Flexible Conversational Information Access*”, in ICASSP, 2018

## EXPERIENCE

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<b>Alibaba (Beijing) Software Services Co., Ltd</b> Algorithm Engineer II. Focusing on R&D in dialog systems	Beijing, China 2019.07 - 2022.07
<b>Speech Processing and Machine Intelligence Lab, Tsinghua University</b> Research Assistant. Supervisor: Prof. Zhijian Ou	Beijing, China 2016.09 - 2019.07
<b>Dialogue Systems Group, University of Cambridge</b> Research Intern. Supervisor: Prof. Milica Gašić (Now at Heinrich Heine University)	Cambridge, UK 2018.06 - 2018.09

## HONORS AND AWARDS

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- First prize of National Scholarship, Tsinghua University 2014.12
- Samsung Scholarship, Tsinghua University 2013.12

## SERVICES

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- Teaching Assistant - 80230652 Spring 2018, 30230742 Spring 2017, 30230672 Fall2017, 30230783 Fall 2016