

CURRICULUM VITAE – YUWEI YIN

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EDUCATION

Beihang University (BUAA) Sep. 2018 – Sep. 2021

Intelligent Information Process Institute, School of Computer Science and Engineering Beijing, China

GPA: 91.7/100, rank 3rd of 80 (voluntary withdrawal: chose to forgo the *Integrated M.S. & Ph.D.* degree)

Beijing Information Science & Technology University (BISTU) Sep. 2014 – Jun. 2018

B.Eng. in Computer Science and Technology (Artificial Intelligence Track) Beijing, China

GPA: 92.7/100, rank 1st of 202 (the last three years: 95.4/100)

RESEARCH EXPERIENCE

HKU NLP group, The University of Hong Kong, Hong Kong Sep. 2022 – Aug. 2023 (Present)

- **Research Assistant** in funded project on Anti-Money Laundering research based on Graph Neural Networks

Microsoft Research (Asia), Beijing, China Nov. 2020 – Sep. 2021

- **Research Intern** (Stars of Tomorrow Internship Program) in Natural Language Computing (NLC) group
- Researched multilingual neural machine translation [*C1-C4*, *J2*], mentored by Shuming Ma

State Key Lab of Software Dev. Env., BUAA, Beijing, China Sep. 2018 – Jun. 2019

- **Research Assistant** in funded project on Expert Database Management System, managed by Xiaoming Zhang
- Developed a data mining (crawling, cleaning, and statistical analysis) and web system (Vue.js & Django)

Institute of Software, Chinese Academy of Sciences, Beijing, China Sep. 2017 – Jun. 2018

- **Research Intern** in Trusted Computing and Information Assurance, advised by Zhenfeng Zhang, Chengxia Liu
- Developed a privacy-protected system (Android APP & website) based on single sign-on and OAuth & OpenID

Computer School, BISTU, Beijing, China Sep. 2015 – Dec. 2016

- **Research Assistant** in the Undergraduate Innovation Project (national level), advised by Xuping Ma
- Developed a smart band system (software & hardware) to measure heart rate and sports situation [*J1*]

PUBLICATIONS

Research Interests: Natural Language Understanding & Generation, Multilingual NLP, Interpretable NLP

Conference Proceedings

C4 UM4: Unified Multilingual Multiple Teacher-Student Model for Zero-Resource Neural Machine Translation
Jian Yang*, Yuwei Yin*, Shuming Ma, Dongdong Zhang, Shuangzhi Wu, Hongcheng Guo, Zhoujun Li, Furu Wei (* indicates equal contribution) [IJCAI-2022](#) | [arXiv](#)

C3 HLT-MT: High-resource Language-specific Training for Multilingual Neural Machine Translation
Jian Yang, Yuwei Yin, Shuming Ma, Dongdong Zhang, Zhoujun Li, Furu Wei [IJCAI-2022](#) | [arXiv](#)

C2 Improving Multilingual Neural Machine Translation with Auxiliary Source Languages
Weijia Xu, Yuwei Yin, Shuming Ma, Dongdong Zhang, Haoyang Huang [EMNLP-2021 findings](#)

C1 *Multilingual Agreement for Multilingual Neural Machine Translation*

Jian Yang, [Yuwei Yin](#), Shuming Ma, Haoyang Huang, Dongdong Zhang, Zhoujun Li, Furu Wei [ACL-2021](#)

Journal Articles

J2 *GTrans: Grouping and Fusing Transformer Layers for Neural Machine Translation*

Jian Yang, [Yuwei Yin](#), Shuming Ma, Haoyang Huang, Dongdong Zhang, Furu Wei and Zhoujun Li [arXiv](#)

Acceptance in Journal: *IEEE T-ASLP* (2022)

J1 *Design and Implementation of Smart Band System*

Xuping Ma, Jiahao Cai, [Yuwei Yin](#), Shangsui Ding [Computer Knowledge and Technology, 2016](#)

ACADEMIC SERVICE

Journal & Conference Reviewer

- *IEEE Transactions on Audio, Speech, and Language Processing (T-ASLP)* 2022

RESEARCH MENTORSHIP

Mentored Master's students

2020 – 2021

- Caijun Bao: “Composite Aspect-based Sentiment Analysis Technology Based on Deep Learning”
- Xinxin Song: “Sequential Recommendation Algorithm Based on Self-Supervised Learning”
- Yuling Deng: “Two-stage Algorithm of Machine Reading Comprehension Based on Extraction and Matching”

TEACHING EXPERIENCE

Teaching Assistantship

- *Discrete Mathematics*, School of Computer Science and Engineering, Beihang University Fall 2019

HONORS AND AWARDS

Scholarships

- **China National Scholarship** (top 1%, National level) Nov. 2016 & Nov. 2017
- **Excellent Academic Scholarship** (top 10%, University level) Jan. 2016 & Jan. 2017 & Jan. 2018
- **Research and Innovative Scholarship** (University level) Jan. 2016 & Jan. 2017
- **Social Contribution Scholarship** (University level) Jan. 2017 & Jan. 2018

Awards

- **Beijing Outstanding Graduate Award** (top 5%, Provincial level) Jul. 2018
- **Outstanding Graduate Award** (top 5%, University level) Jul. 2018
- **Diligent Study & Research Pioneer Award** (top 3%, University level) Dec. 2017

Prizes

- **1st Prize in The 32nd National Physics Competition**, Beijing District (top 5%, Provincial level) Dec. 2015
- **1st Prize in The 9th Mathematics Competition** (top 5%, University level) Jun. 2015