CURRICULUM VITAE – YUWEI YIN

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EDUCATION

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

Intelligent Information Process Institute, State Key Lab of Software Development Environment   Beijing, China

Integrated M.S. & Ph.D. (dropout) in Machine Learning (M.S.) & Natural Language Processing (Ph.D. from 2019)

GPA: $91.7/100$, rank 3rd of 80

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 funding 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 funding project 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*, <u>Yuwei Yin</u>*, 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, <u>Yuwei Yin</u>, Shuming Ma, Dongdong Zhang, Zhoujun Li, Furu Wei   IJCAI-2022 | arXiv

*C*2 **Improving Multilingual Neural Machine Translation with Auxiliary Source Languages**

Weijia Xu, <u>Yuwei Yin</u>, Shuming Ma, Dongdong Zhang, Haoyang Huang   EMNLP-2021

*C*1 **Multilingual Agreement for Multilingual Neural Machine Translation**

Jian Yang, <u>Yuwei Yin</u>, Shuming Ma, Haoyang Huang, Dongdong Zhang, Zhoujun Li, Furu Wei   ACL-2021

Journal Articles

*J*2 **GTrans: Grouping and Fusing Transformer Layers for Neural Machine Translation**

Jian Yang, <u>Yuwei Yin</u>, Shuming Ma, Haoyang Huang, Dongdong Zhang, Furu Wei and Zhoujun Li   arXiv

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

*J*1 **Design and Implementation of Smart Band System**

Xuping Ma, Jiahao Cai, <u>Yuwei Yin</u>, Shangsu 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 at Beihang University   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

Competitions

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