Yuwei Yin - *Curriculum Vitae*

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LinkedIn: linkedin.com/in/yuwei-yin

EDUCATION

- **Beihang University (BUAA)** — Haidian, Beijing, China
  ~~Ph.D.~~ (Dropped-out) in Computer Science, Intelligent Information Process Institute — *Sep. 2019 – Sep. 2021*
  ~~M.Sc.~~ (Transferred) in Computer Technology, School of Computer Science & Engineering — *Sep. 2018 – Jun. 2019*
  GPA: 92/100; Rank 3% (Graduate Course Only; No Degree Obtained)

- **Beijing Information Science and Technology University (BISTU)** — Chaoyang, Beijing, China
  B.Eng. in Computer Science and Technology, School of Computer Science — *Sep. 2014 – Jun. 2018*
  GPA: 93/100; Rank 1st of 202 (Transcript)

- **Chengdu Shude High School (SDZX)** — Chengdu, Sichuan, China
  Diploma (Science) Mathematics, Chinese, English, Physics, Chemistry, Biology — *Sep. 2011 – Jun. 2014*
  Rank 1% in Sichuan Gaokao (National College Entrance Examination, NCEE)

WORK EXPERIENCE

- **The University of Hong Kong (HKU)** — Pokfulam, Hong Kong
  Research Assistant (Full-time, Paid) — *Sep. 2022 – Aug. 2023*
  - **Affiliation**: HKU NLP Group, Department of Computer Science.
  - **Duty**: Conducting research on FinTech and multimodal natural language processing. **Manager**: Qi Liu.

- **Microsoft (MSFT)** — Haidian, Beijing, China
  Research Intern (Stars of Tomorrow Internship Program) (Full-time, Paid) — *Nov. 2020 – Sep. 2021*
  - **Affiliation**: Natural Language Computing (NLC) Group, Microsoft Research Asia (MSRA).
  - **Duty**: Conducted research on multilingual neural machine translation. **Mentor**: Shuming Ma.

PUBLICATIONS

Research Interests: Natural Language Processing, Multilingualism & Multimodality, Commonsense & Interpretability
(* indicates equal contribution)

PREPRINTS

- [P2] ***TTIDA: Controllable Generative Data Augmentation via Text-to-Text and Text-to-Image Models***
  Yuwei Yin, Jean Kaddour, Xiang Zhang, Yixin Nie, Zhenguang Liu, Lingpeng Kong, Qi Liu
  Under review ‖ arXiv 2304.08821 — *Apr 2023*

- [P1] ***GanLM: Encoder-Decoder Pre-training with an Auxiliary Discriminator***
  Jian Yang, Shuming Ma, Li Dong, Shaohan Huang, Haoyang Huang, Yuwei Yin, Dongdong Zhang, Liqun Yang, Zhoujun Li and Furu Wei
  Under review ‖ arXiv 2212.10218 — *Dec 2022*

CONFERENCE PROCEEDINGS

- [C6] ***HanoiT: Enhancing Context-aware Translation via Selective Context***
  Jian Yang, Yuwei Yin, Shuming Ma, Liqun Yang, Hongcheng Guo, Haoyang Huang, Dongdong Zhang, Yutao Zeng, Zhoujun Li, Furu Wei
  Published in Conference *DASFAA 2023* ‖ Paper ‖ arXiv 2301.06825 — *Apr 2023*

- [C5] ***CROP: Zero-shot Cross-lingual Named Entity Recognition with Multilingual Labeled Sequence Translation***
  Jian Yang, Shaohan Huang, Shuming Ma, Yuwei Yin, Li Dong, Dongdong Zhang, Hongcheng Guo, Zhoujun Li, Furu Wei
  Published in Conference *EMNLP 2022 Findings* ‖ Paper ‖ arXiv 2210.07022 ‖ Code — *Dec 2022*

- [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
  Published in Conference *IJCAI-EACI 2022* ‖ Paper ‖ arXiv 2207.04900 ‖ Code — *Jul 2022*

- [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
  Published in Conference *IJCAI-EACI 2022* ‖ Paper ‖ arXiv 2207.04906 ‖ Code — *Jul 2022*

- [C2] ***Improving Multilingual Neural Machine Translation with Auxiliary Source Languages***
  Weijia Xu, Yuwei Yin, Shuming Ma, Dongdong Zhang, Haoyang Huang
  Published in Conference *EMNLP 2021 Findings* ‖ Paper ‖ Code — *Nov 2021*

- [C1] ***Multilingual Agreement for Multilingual Neural Machine Translation***
  Jian Yang, Yuwei Yin, Shuming Ma, Haoyang Huang, Dongdong Zhang, Zhoujun Li, Furu Wei
  Published in Conference *ACL-IJCNLP 2021* ‖ Paper ‖ Code — *Aug 2021*

JOURNAL ARTICLES

- [J1] ***GTrans: Grouping and Fusing Transformer Layers for Neural Machine Translation***
  Jian Yang, Yuwei Yin, Shuming Ma, Haoyang Huang, Dongdong Zhang, Furu Wei, Zhoujun Li
  Published in Journal *IEEE T-ASLP* ‖ Paper ‖ arXiv 2207.14467 ‖ Code — *Nov 2022*

Academic Service

Peer Review
- Conference Proceedings
    - The Fortieth International Conference on Machine Learning (ICML 2023)   *2023*
    - The 61st Annual Meeting of the Association for Computational Linguistics (ACL 2023)   *2023*

- Journal Articles
    - ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)   *2023*
    - IEEE Transactions on Audio, Speech, and Language Processing (TASLP)   *2022*

Honors

Scholarships
- National Scholarship   (Awarded by The Ministry of Education of China)   *Nov. 2016 & Nov. 2017*
- Excellent Academic Scholarship   (Awarded by BISTU)   *Jan. 2016 & Jan. 2017 & Jan. 2018*
- Research and Innovative Scholarship   (Awarded by BISTU)   *Jan. 2016 & Jan. 2017*
- Social Contribution Scholarship   (Awarded by BISTU) (Volunteering in Public Service)   *Jan. 2017 & Jan. 2018*

Awards
- Award of Excellence in Starts of Tomorrow Internship Program   (Awarded by MSRA)   *Sep. 2021*
- Beijing Outstanding Graduate Award   (Awarded by Beijing Municipal Commission of Education) *Jul. 2018*
- Outstanding Graduate Award   (Awarded by BISTU)   *Jul. 2018*
- Diligent Study & Research Pioneer Award   (Awarded by BISTU)   *Dec. 2017*

Prizes
- 1st Prize in The 32nd National Physics Competition, Beijing District   (Awarded by Beijing Physics Society)   *Dec. 2015*
- 1st Prize in The 9th Mathematics Competition   (Awarded by BISTU)   *Jun. 2015*