Yuwei Yin (Joey) 阴昱为

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WORK EXPERIENCE

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

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

EDUCATION

- **Beihang University (BUAA)** — Haidian, Beijing, China
  Ph.D. (Dropped-out) in Computer Science at State Key Lab of Software Dev. Env. — *Sep. 2019 – Sep. 2021*
  M.Eng. (Transferred) in Computer Technology at School of Computer Sci. & Eng. — *Sep. 2018 – Jun. 2019*
  GPA: 92/100; Rank 3%

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

PUBLICATIONS

Google Scholar ‖ OpenReview ‖ Semantic Scholar ‖ ResearchGate ‖ AMiner ‖ ORCID ‖ DBLP ‖ ACL Anthology

Research Interests: Artificial General Intelligence, Natural Language Processing, Multilingualism & Multimodality

PREPRINTS

- [P4] ***MT4CrossOIE: Multi-stage Tuning for Cross-lingual Open Information Extraction***
  Zixiang Wang, Linzheng Chai, Jian Yang, Jiaqi Bai, <u>Yuwei Yin</u>, Jiaheng Liu, Hongcheng Guo, Tongliang Li, Liqun Yang, Hebboul Zine el-abidine, Zhoujun Li
  Under review ‖ arXiv 2308.06552 ‖ Code — *Aug 2023*

- [P3] ***FinPT: Financial Risk Prediction with Profile Tuning on Pretrained Foundation Models***
  <u>Yuwei Yin</u>, Yazheng Yang, Jian Yang, Qi Liu
  Under review ‖ arXiv 2308.00065 ‖ Code ‖ FinBench Data — *Jul 2023*

- [P2] ***M3IT: A Large-scale Dataset towards Multimodal Multilingual Instruction Tuning***
  Lei Li, <u>Yuwei Yin</u>, Shicheng Li, Liang Chen, Peiyi Wang, Shuhuai Ren, Mukai Li, Yazheng Yang, Jingjing Xu, Xu Sun, Lingpeng Kong, Qi Liu
  Under review ‖ arXiv 2306.04387 ‖ M3IT Data ‖ M3IT-80 Data — *Jun 2023*

- [P1] ***TTIDA: Controllable Generative Data Augmentation via Text-to-Text and Text-to-Image Models***
  <u>Yuwei Yin</u>, Jean Kaddour, Xiang Zhang, Yixin Nie, Zhenguang Liu, Lingpeng Kong, Qi Liu
  Under review ‖ arXiv 2304.08821 ‖ Code — *Apr 2023*

CONFERENCE PROCEEDINGS

- [C7] ***GanLM: Encoder-Decoder Pre-training with an Auxiliary Discriminator***
  Jian Yang, Shuming Ma, Li Dong, Shaohan Huang, Haoyang Huang, <u>Yuwei Yin</u>, Dongdong Zhang, Liqun Yang, Zhoujun Li and Furu Wei
  Published in Conference *ACL 2023* ‖ Paper ‖ arXiv 2212.10218 ‖ Code — *Jul 2023*

- [C6] ***HanoiT: Enhancing Context-aware Translation via Selective Context***
  Jian Yang, <u>Yuwei Yin</u>, 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, <u>Yuwei Yin</u>, 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*, <u>Yuwei Yin</u>*, Shuming Ma, Dongdong Zhang, Shuangzhi Wu, Hongcheng Guo, Zhoujun Li, Furu Wei
  Published in Conference *IJCAI-ECAI 2022* ‖ Paper ‖ arXiv 2207.04900 ‖ Code — *Jul 2022*

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

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

Journal Articles

- [*J*1] **GTrans: Grouping and Fusing Transformer Layers for Neural Machine Translation**
  Jian Yang, <u>Yuwei Yin</u>, Shuming Ma, Haoyang Huang, Dongdong Zhang, Furu Wei, Zhoujun Li
  Published in Journal *IEEE TASLP* ‖ Paper ‖ arXiv 2207.14467 ‖ Code   *Nov 2022*

Academic Service

Reviewer (Program Committee)

- Conference Proceedings
    - AAAI: AAAI Conference on Artificial Intelligence   *2024*
    - ACL: Annual Meeting of the Association for Computational Linguistics   *2023*
    - EMNLP: Conference on Empirical Methods in Natural Language Processing   *2023*
    - ICML: International Conference on Machine Learning   *2023*
- Journal Articles
    - ncomms: Nature Communications   *2023*
    - TALLIP: ACM Transactions on Asian and Low-Resource Language Information Processing   *2023*
    - TASLP: IEEE/ACM Transactions on Audio, Speech, and Language Processing   *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)   *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*