# YINGJIN SONG

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## Research Topics

Vision and Language Models, Multimodal Learning, Mechanistic Interpretability, Reasoning.

## Education

**Utrecht University, Utrecht, the Netherlands**                              **July 2022 – now**
*Ph.D. Candidate in Computer Science*           *Supervisor: Prof. Albert Gatt, Dr. Denis Paperno*
**University of Melbourne, Melbourne, Australia**                       **July 2019 – June 2021**
*Master of Computer Science (with Distinction)*                  *Supervisor: Dr. Daniel Beck*
**Australian National University, Canberra, Australia**               **July 2016 – June 2019**
*Bachelor of Information Technology*

## Publications

- **Yingjin Song**, Yupei Du, Denis Paperno and Albert Gatt (2025). Burn After Reading: Do Multimodal Large Language Models Truly Capture Order of Events in Image Sequences? *In Findings of ACL 2025.* [link]

- Yupei Du, **Yingjin Song**, Hugh Mee Wong, Daniil Ignatev, Albert Gatt and Dong Nguyen (2025). Disentangling the Roles of Representation and Selection in Data Pruning. *In Main Conference of ACL 2025.* [link]

- **Yingjin Song**, Denis Paperno and Albert Gatt (2024). Context-aware Visual Storytelling with Visual Prefix Tuning and Contrastive Learning. In *INLG 2024.* [link]

- **Yingjin Song** and Daniel Beck (2023). Modeling Emotion Dynamics in Song Lyrics with State Space Models. In *Transactions of the Association for Computational Linguistics (2023).* [link]

## Service and Teaching

- Reviewer of ACL Rolling Review, COLING, INLG (2024 - 2025), CoNLL (2025)
- TA and Lecturer of Transformers: Applications in Language and Communication: 2025 - 2026
- TA of Methods in Artificial Intelligence Research: 2022 - 2025
- TA of Computational Thinking and Programming with Python: 2023
- TA of Responsible Data Science: 2024 - 2025

## Work Experience

**Sina Weibo Corp.**                                                    **December 2018 – February 2019**
*Data Science Intern*                                                                    *Beijing, China*
  ∗ Assisted in cleaning data, feature engineering, and utilizing ML models to optimize ad pricing strategies by predicting click-through and conversion rates.
  ∗ Developed an automated testing framework for migrating unit tests, ensuring ML pipeline compatibility, and designed a web page to visualize daily testing reports for stakeholders.
**Lenovo Group Ltd.**                                                   **December 2016 – February 2017**
*Server Engineer Intern*                                                                 *Beijing, China*
  ∗ Assisted with engineers to maintain and solve issues in server clusters;
  ∗ Performed fault diagnosis and arranged on-site technicians and managed customers' data using SQL.

## Programming Skills

**Programming Languages**: Python, Java, MATLAB, R, Haskell, SQL, HTML/CSS, JavaScript, Lua
**Packages/ Frameworks**: PyTorch, Tensorflow, Git, Docker, Scikit-Learn, Latex