

# Yang Liu

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## Education

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### Tianjin University, China

Master Degree of Computer Technology (advised by Prof. Yuexian Hou) Sept. 2019 - Dec. 2022

Thesis title: *Mining Effective Features Using Quantum Entropy for Humor Recognition*

### Tianjin Normal University, China

Bachelor Degree of Software Engineering Sept. 2012 - Jun. 2016

## Experiences

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### Independent Researcher

Mar. 2023 - Now

Research social biases in language modeling and look for opportunities for a PhD position.

### Antrou Co. Ltd.

Sept. 2019 - Mar. 2023

Full-Stack Software Engineer (part-time)

Technical Support.

### Antrou Co. Ltd.

Jul. 2017 - Sept. 2019

Full-Stack Software Engineer

Geographical Information System base on Three.js and Security Management System for Petrochemical Industry.

## Publications

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**Yang Liu.** *Quantifying Stereotypes in Language*. EACL, 2024. (single-authored work)

**Yang Liu.** *Robust Evaluation Measures for Evaluating Social Biases in Masked Language Models*. AAAI, 2024. (single-authored work)

**Yang Liu** and Yuexian Hou. *Syntax-Aware Complex-Valued Neural Machine Translation*. ICANN, 2023.

**Yang Liu** and Yuexian Hou. *Mining Effective Features Using Quantum Entropy for Humor Recognition*. EACL(Short Findings), 2023.

## Technical Skills

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**Programming:** Python, PyTorch, Java, Javascript, CSS

**Techniques:** Natural Language Processing, Deep Learning, Machine Learning, Quantum Theory, WEB Application Development

## Links

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**Personal Blog:** <https://www.nlply.tech>

**Github:** <https://github.com/nlply>

**Huggingface:** <https://huggingface.co/lauyon>

## Reviewer

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2023: EMNLP, ACL