

# Yang Wei

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## EDUCATION

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**East China Normal University** 2018 – Present

*M.S.* Computer Science and Technology

**East China Normal University** 2014 – 2018

*B.S.* Computer Science and Technology 1/110

## RESEARCH

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My research interests are mainly in basic algorithm tasks like *constituent parsing*, *dependency parsing*, *sequence tagging* and *language modeling*. I also understand some tasks like *machine translation*, *entity relationship extraction* and *transfer learning*.

## EXPERIENCE

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**ByteDance AI Lab NLP research intern** 2020.05 – Present

Mainly responsible for the compression and acceleration of machine translation models, using model compression techniques such as parameter sharing, matrix decomposition, quantization and distillation to reduce the size of the model and finally apply it to mobile devices.

## PUBLICATIONS

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**A Span-based Linearization for Constituent Trees** **ACL 2020**

*Yang Wei, Yuanbin Wu and Man Lan*

We propose a novel linearization of a constituent tree, together with a new locally normalized model. Compared with global models, our model is fast and parallelizable. Different from previous local models, our linearization method is tied on the spans directly and considers more local features when performing span prediction, which is more interpretable and effective.

## AWARDS

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*Gold Medal* ACM-ICPC Invitational Shaanxi Site 2017

*Silver Medal* ACM-ICPC Asia Regional Programming Contest Qingdao Site 2016

*Bronze Medal* ACM-ICPC Asia Regional Programming Contest Shanghai Site 2015

*Special Scholarship* 2017

*First Prize Scholarship* 2016

*National Scholarship* 2015

## PROGRAMMING SKILLS

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- Programming Language: *Python*, *C++*, *C*.
- Neural Network Toolkit: *TensorFlow*, *PyTorch*, *DyNet*.

## SOCIAL LINKS

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- Blog: <https://godweiyang.com>
- GitHub: <https://github.com/godweiyang>
- Zhihu: <https://www.zhihu.com/people/godweiyang>, 8200+ like, 3600+ fans
- WeChat Official Accounts: *GodNLP*, 2300+ fans