

# YONGWEI ZHOU

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## 🎓 EDUCATION

**Harbin Institute of Technology (HIT)** 2018 – Present

*PH.D* in Computer Science (CS), Advised by Professor Tiejun Zhao

**Harbin Institute of Technology (HIT)** 2016 – 2018

*M.S.* in Computer Science (CS), Advised by Professor Hong Gao

**Harbin Institute of Technology (HIT),** 2012 – 2016

*B.S.* in Mathematics, Advised by Professor Sitian Qin

## 👤 EXPERIENCE

**Noah's Ark Lab, Huawei** Shenzhen, China 2019.09–present

*Research Intern* Mentor: Lifeng Shang

Research Interesting: Neural Symbolic Computing, Reasoning for Reading Comprehension

- Implemented neural programmer for Addition
- Implemented reasoning for reading comprehension by neural programming

## ♡ PROJECT

**SMP 2019-ECDT** 2019.05 - 2019.07

- Propose a model based on BERT and using gate and attention mechanism in three NLU task.
- Achievement: 7<sup>th</sup>

**Batch Processing for Approximation String Query** 2017.05 - 2018.07

- Create an inverted index on the external memory and use the Trie tree index structure in memory.
- Propose a string approximation query batch algorithm and also with memory constraints, reducing the average waiting time by about 50%.

## ⚙️ PUBLICATION

[1]. Li Q, **Zhou Y**, Qin S, et al. global robust exponential stability of complex-valued Cohen-Grossberg neural networks with mixed delays. ICIST 2016

## ♡ HONORS AND AWARDS

Outstanding Graduates of Harbin Institute of Technology	2016
National Encouragement Scholarship	2014
The First Prize Scholarship	2015
First Prize in National College Student Mathematics Competition	2014
Third Prize in National College Students Mathematical Modeling Competition	2015
Excellent Student Cadre of Harbin Institute of Technology	2015
Excellent League Member of Harbin Institute of Technology	2014

## ⚙️ SKILLS

- Python, Java
- tensorflow, pytorch, Latex

# 周勇伟

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## 🎓 教育背景

哈尔滨工业大学	2018.09 – 至今
在读博士研究生 计算机科学与技术, 语言技术中心, 导师: 赵铁军教授 兴趣: 自然语言处理、知识表示与推理、阅读理解	
哈尔滨工业大学	2016.09 – 2018.7
硕士 计算机科学与技术, 海量数据研究中心, 导师: 高宏教授	
哈尔滨工业大学	2012.09 – 2016.07
学士 数学与应用数学, 最优化研究组, 导师: 秦泗甜教授	

## 👨‍💻 实习

诺亚方舟, 华为深圳	2019.09 – 至今
研究实习生 导师: 尚利峰 研究兴趣: 神经符号计算、知识表示与推理、阅读理解	
<ul style="list-style-type: none"><li>神经编程实现加法运算</li><li>神经编程思想实现复杂阅读理解问题 (推理)</li></ul>	

## ♡ 项目经历

SMP 2019 中文人机对话技术评测	2019.05 - 2019.07
<ul style="list-style-type: none"><li>提出基于门机制、注意力机制的 BERT 模型实现领域识别、意图识别、槽位填充等自然语言理解三项任务</li><li>结果: 7<sup>th</sup></li></ul>	
大规模字符串集合上批量近似查询算法	2017.05 - 2018.07
<ul style="list-style-type: none"><li>建立索引: 外存上建立倒排索引、内存中使用 Trie 树</li><li>设计批处理近似查询算法, 特别考虑了内存受限条件下的查询算法, 平均等待时间减少 50%</li></ul>	

## 🔧 论文

[1]. Li Q, Zhou Y, Qin S, et al. global robust exponential stability of complex-valued Cohen-Grossberg neural networks with mixed delays. ICIST 2016

## ♡ 获奖情况

哈尔滨工业大学优秀毕业生	2016
国家鼓励奖学金	2014
一等奖学金	2015
全国大学生数学竞赛一等奖	2014
全国大学生数学建模竞赛三等奖	2015
哈尔滨工业大学优秀干部	2015
哈尔滨工业大学优秀团员	2014

## 🔧 IT 技能

- 语言及框架: python、Java、tensorflow、torch
- 技术博客: <https://blog.csdn.net/damuge2>
- github: <https://github.com/phddamuge>