

# YONGWEI ZHOU

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## 🎓 EDUCATION

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- Harbin Institute of Technology (HIT)** 2018.09 – Present  
*PH.D* in Computer Science (CS), Advised by Professor Tiejun Zhao
- Harbin Institute of Technology (HIT)** 2016.09 – 2018.07  
*M.S.* in Computer Science (CS), Advised by Porfessor Hong Gao
- Harbin Institute of Technology (HIT),** 2012.09 – 2016.07  
*B.S.* Major in Mathematics

## 👥 INTERNSHIP EXPERIENCE

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- JD AiLab** Beijing, China 2020.06–2021.06  
*Research Intern* Mentor: Junwei Bao, Youzheng Wu  
Project: Reasoning for reading comprehension (DROP task)
- Noah's Ark Lab, Huawei** Shenzhen, China 2019.10–2020.06  
*Research Intern* Mentor: Lifeng Shang  
Project: Complex question answering fusing knowledge reasoning
- Focus on complex question answering with discrete reasoning(DROP)
  - Survey related paper about question answering with discrete reasoning, neural symbolic computing
  - Implement Neural Symbolic Reader (ICLR 2020) and Neural Module Networks for Reasoning over Text (ICLR 2020)

## ♡ PROJECT

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- SMP 2019-ECDT** 2019.05 - 2019.07
- Propose a model based on BERT and using gate and attention mechanism in three NLU task.
  - Domain\_Acc: 0.9229 Intent\_Acc: 0.8197 Slots\_F: 0.6935 Frame\_Acc: 0.5776
  - Achivement: 7<sup>th</sup>/30
- 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%.
- Stability Analysis of a Class of Complex-valued Neural Networks** 2015.05 - 2016.07
- Based on homeomorphism theory, proposing sufficient conditions for existence of balance point of such neural networks
  - Using Lyapunov method to prove that the obtained balance point is stable under the given conditions.

## ⚙️ PUBLICATION

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- [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. First student author

## ♡ HONORS AND AWARDS

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

## ⚙️ SKILLS

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- Python, Java
- tensorflow, pytorch, Latex

## 👥 ACTIVATION

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