

Qinghua Ding

COMPUTER SCIENCE · MATHEMATICS

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“Be the best of your life.”

Education

Tsinghua University

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY

- GPA: 3.5/4.0 (20/42)

Beijing, Chian

Jun, 2019 (expected)

Experience

Using Hierarchical Reinforcement Learning in Text Simplification

Advised by Prof. Minlie Huang

UNDERGRADUATE RESEARCH

Jan - Mar, 2018

- Proposed a hierarchical reinforcement learning (HRL) method for text simplification problems.
- The network we proposed features a “Word2Vec-RNN-RL” structure.
- Our method is comparable to the state-of-art ROUGE scores on NYT Dataset.

Using Reinforcement Learning in TCP Initial Window Selection

Advised by Prof. Dan Pei

UNDERGRADUATE RESEARCH

Jul - Oct, 2018

- We proposed a reinforcement learning based method for TCP initial window selection.
- We used clustering algorithm for client grouping, and sliding window UCB for window size selection.
- Our method improved the network performance (rtt+latency) by 10% in online tests at Baidu's datacenters.

Extracurricular Activity

Student Association of Educational Poverty Alleviation, Tsinghua University

Beijing, China

VICE MANAGER OF THE TECHNOLOGY DEPARTMENT

Jun. 2015 - Jun. 2016

- We collect electronic devices that's old but in well condition from the social love personage.
- We repair, manage, and donate these resources to the poor areas.
- We periodically organize volunteer teaching in computer technologies at rural schools.

Skills

English Proficiency & Mathematics Knowledge

Abilities

COURSES LEARNED OR LECTURES READ

Till Present

- English Proficiency: Toefl: 106/120, GRE: 320.
- Mathematics Skills: Statistical Learning Theory, Non-Convex Optimization, Machine/Deep/Reinforcement Learning.

Honors & Awards

2015-pre **National Endeavorship**, Tsinghua University

Beijing

2015-2017 **Hengda Inspirational Scholarship**, Tsinghua University

Beijing

2015-2016 **Team Leader**, Silver Medal in Social Practice of CST Department

Beijing

Writing

DEVON'S PLACE

Wordpress Blogs

BLOGGER

Jul. 2017 - PRESENT

- Place where I release my research notes and readings, etc.