

YONGGANG JIANG

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163 Xianlin Avenue, Qixia District, Nanjing, Jiangsu, China 210023

EDUCATION

No.3 Middle School of Nanchang

Sep. 2014 - Jul. 2017

Nanjing University

Sep. 2017 - Jul. 2021(expected)

B.C. in Computer Science and Technology, Elite Program

GPA: 94.4/100 (*Major*) 92.4/100 (*Overall*)

Ranking: 1/31 (*Major*) 3/204 (*Overall*)

University of California, Berkeley

Jan. 2020 - May. 2020

Berkeley International Study Program

GPA: 4.0/4.0

RESEARCH EXPERIENCE

Research work in TCS group at **Nanjing University**

Contention resolution problem with jamming and without collision detection *Aug. 2020 - Feb. 2021*

(*Advisor: Prof. Chaodong Zheng*)

- Provide tight lower bound and upper bound for contention resolution problem with jamming and without collision detection when considering the tradeoff between active slots, number of arrived players, and number of jammed slots.
- My contribution in this work: proving all lower bounds, proving some key lemmas in the analysis of the algorithm, contributing to the idea of analyzing algorithm.

PUBLICATIONS

[1] **Tight Trade-off in Contention Resolution without Collision Detection.**

Haimin Chen, Yonggang Jiang, Chaodong Zheng.

TEACHING ASSISTANT

Data Structures and Algorithms, Nanjing University, Fall 2019, Fall 2020

Combinatorics, Spring 2021

HONORS & AWARDS

National Elite Program Scholarship, Outstanding Prize (top 1)

2019-2020

National Elite Program Scholarship, Outstanding Prize (top 1)

2018-2019

National Elite Program Scholarship, First Prize (top 1)

2017-2018

CCPC Regional Contest, Gold Medal: Guilin

2018

ACM-ICPC Asia Regional Contest, Silver Medal: Jiaozuo

2018

NOIP First Prize

2015

SKILLS

Computer Languages C/C++, Java, SQL

English TOEFL(*MyBest™*): 104 (Reading 29, Listening 29, Speaking 23, Writing 23)

GRE 153 (Verbal 153, Quantitative 170, Writing 3.5)