YONGGANG JIANG

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EDUCATION

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

*The co-authors of papers are listed in alphabetical order.

[1] **Tight Trade-off in Contention Resolution without Collision Detection.**
Haimin Chen, Yonggang Jiang, Chaodong Zheng.
In submission.

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 323 (Verbal 153, Quantitative 170, Writing 3.5)