

JIANG, ZHILE

zhile@cs.au.dk

ACADEMIC APPOINTMENTS

Aarhus University Aarhus, Denmark
Postdoc fellow
Advisor: Stratis Skoulakis

Mar. 2025 - Present

EDUCATION AND STUDY EXPERIENCE

Aarhus University Aarhus, Denmark
Ph.D. student in Computer Science
Supervisor: Ioannis Caragiannis
Thesis: *Randomness in structures and computation*

Nov. 2021 - Feb. 2025

Shanghai University of Finance and Economics Shanghai, China
Visiting student

Jul. 2023 - Dec. 2023

Aarhus University Aarhus, Denmark
M.Sc. in Computer Science
Supervisor: Kristoffer Arnsfelt Hansen
Thesis: *Computational Complexity of Approximate Nash Equilibrium*

Sep. 2019 - Jul. 2021

Sichuan University Chengdu, China
B.Eng. in Computer Science and Technology

Sep. 2015 - Jul. 2019

Chinese Academy of Sciences Shenzhen, China
Research assistant

Jul. 2017 - Oct. 2017

INTERESTS

My research interests lie in theoretical computer science, with a particular focus on algorithmic game theory. Currently, I am working on equilibrium computation in congestion games and mechanism design with divisible items.

PUBLICATIONS

On the satisfiability of random 3-SAT formulas with k -wise independent clauses.*

Ioannis Caragiannis, Nick Gravin, **Zhile Jiang**.

The 33rd Annual European Symposium on Algorithms (ESA), 2025

Computing better approximate pure Nash equilibria in cut games via semidefinite programming.*

Ioannis Caragiannis, **Zhile Jiang**.

The 55th Annual ACM Symposium on Theory of Computing (STOC), 2023

A Multi-task Learning Framework for Abstractive Text Summarization.†

Yao Lu, Linqing Liu, **Zhile Jiang**, Min Yang, Randy Goebel.

The 33rd AAAI Conference on Artificial Intelligence (AAAI), 2019

Multi-task Learning for Author Profiling with Hierarchical Features.†

Zhile Jiang, Shuai Yu, Qiang Qu, Min Yang, Junyu Luo, Juncheng Liu.

The Web Conference 2018 (WWW), 2018

* Authors are in alphabetical order.

† Authors are in descending order of contribution.

MANUSCRIPTS

Bounds on the revenue gap of linear posted pricing for selling a divisible item.*

Ioannis Caragiannis, **Zhile Jiang**, Apostolis Kerentzis.

arXiv:2007.08246

TEACHING ASSISTANT

Computability and Logic, Aarhus University *Spring 2024*

Optimization, Aarhus University *Spring 2023*

Machine Learning, Aarhus University *Fall 2022*

Data Mining, Aarhus University *Spring 2022*

SERVICES

- Subreviewer: WINE'22, AAMAS'23, MFCS'23, WINE'23, WWW'24, STOC'24, COCOON'25, MFCS'25