Yu Cong

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Education

B.S., Computer Science, University of Electronic Science and Technology of China, 2020 to 2024 (expc.)
B.S., Finance, Southwestern University of Finance and Economics, 2020 to 2024 (expc.)

Weighted Average: 88.85   GPA: 3.91   CET4: 598   CET6: 542

Advanced Algorithms and Program Design Experiments 94
Information Theory and Coding Theory 96
Algorithm for Optimization 95
Financial Econometrics I 94
Financial Econometrics II 96

Honors and Awards

Pacesetter Scholarship, UESTC, 2021

Research Experience

UESTC, Algorithms and Logic Group

2021-2022
Advisors: Toru Takisaka, Bakhadyr Khoussainov

Try to design a faster algorithm for Büchi Games. I did implementations for our new algorithm and some existing algorithms for Büchi Games.

UESTC, Algorithms and Logic Group

2022-2023
Advisors: Chao Xu, Yi Zhou

We studied the incentive allocation problem and designed an algorithm to compute the entire trade-off curve between budget and profit. We submitted a paper to IJCAI 2023.

Projects

Trajectory Query System. I participated in developing an anonymous trajectory similarity query system. The query system includes 3 kinds of server programs and one Android application. We use Proxy Re-Encryption method and homomorphic encryption to protect user trajectories. github repo. This is a project in the ongoing National College Information Security Competition 2023.

Technical Skills

- Programming Language: C++

- Optimization Tool: Gurobi

Personal Statement

I am interested in algorithms and have a little theoretical computer background. During my undergraduate period, I participated in UESTC's competitive programming training and had two research experiences in the Algorithms and Logic group. Majoring in computer science and finance may give me a different view of solving problems.

April 19, 2023