**Deyi Wang**

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**Education Background**

**University of California, Los Angeles Sep. 2022 - Present**

Fall quarter in 2022: Matrix Analysis (A+), Linear Programming (A)

Winter quarter in 2023: Nonlinear Dynamic Systems (A+), Convex Optimization (A+)

**Tongji University GPA** 4.29/5.0, **Grade** 87.94/100

College of Electronics and Information Engineering, ***Bachelor of Engineering in Automation* Sep. 2017 - Jun.2021**

School of Mathematical Sciences, ***Mathematics and Applied Mathematics (Minor)* Sep. 2019 - Jun.2021**

**Work Experience**

**Shanghai Research Institute for Intelligent Autonomous Systems, Tongji University Jul.2021 - Jul.2022**

***Research Assistant supervised by Prof. Xiang Li***

**Research Experience**

**The Research on Minimum Vertex Cover Based on Asymmetric Game Theory Nov.2021 - Nov.2022**

***Supervisor: Prof. Xiang Li***

* Mainly focuses on the minimum vertex cover problem in the aspect of game theory.
* Put forward a theorem interpreting the relationship between the SNE (strict Nash equilibrium) state and the MVC (minimum vertex cover) state in the weighted graph, and restricted the sufficient condition of from to .
* The corresponding paper *“A Maximum Degree related Condition to Asymmetric Game in Weighted Vertex Cover Networks”* was accepted by IFAC WC 2023.

**A Social Media Users Classification Algorithm Based on Community Detection May.2019 - May.2021**

***Supervisor: Prof. Qi Kang***

* Mainly about the local community detection problem in the complex network.
* Put forward n-order degree central nodes conception and improved the seed nodes choosing method.
* The corresponding paper was accepted by *《微型电脑应用》* [1].

**Publications**

[1] **王得翊**, 焦澳琛, 陈音拿, 安静, 康琦, 汪镭. ***基于多阶局部度数峰值点的局部社区发现算法***[J]. 微型电脑应用, 2021, 37(06): 1-4.