

Jieke SHI

☎ (+86)153-0145-1585 ✉ jiekeshi125@gmail.com ✉ jiekeshi@acm.org
🏛 Yangzhou University 🎓 B.Eng., Electronic and Information Engineering • 2016-2020 📅 1998-10-23

🎓 Education & Experience

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|---------|---|
| Present | Chinese Academy of Sciences • Institute of Computing Technology |
| 2020.06 | NLP Research Intern Supervised by Dr. Wang Shi |
| 2020.06 | Yangzhou University • School of Information Engineering |
| 2016.09 | B.Eng., Electronic and Information Engineering • 2016-2020 Supervised by Prof. Junwu Zhu Average Score 83/100, ranks 5/52 |

🔧 Research Achievements

- 2018-2019 “Automated Negotiation and Game Mechanism of Multi-agent System in Semantic Web”
Key Project of Jiangsu Students’ Innovation and Entrepreneurship Program
10,000 CNY, Grant Number: 201811117029Z, Team Leader
- 2018-2019 “DMA Partition Leakage Detection Platform Based on NB-IoT”
Key Project of Challenge Cup of Yangzhou University
10,000 CNY, Team Leader
- 2017-2018 “Research on Opportunistic Crime Coping Strategy Algorithms Based on Game Theory”
Key Project of Jiangsu Students’ Innovation and Entrepreneurship Program
10,000 CNY, Grant Number: 201711117017Z
- 9 Papers about several aspects around artificial intelligence, with a focus on applications about using optimization methods to solve algorithmic problems and social issues
- 2 Software Copyright

📄 Papers / Publications

- **Jieke Shi**, Junwu Zhu, Jian Li, Fang Liu & Yunbo Lv
“An Efficient Double Auction Mechanism for Job Allocation”
Accepted by CSCWD 2019: IEEE 23rd International Conference on Computer Supported Cooperative Work in Design (CCF C)
- **Jieke Shi**, Zhou Yang & Junwu Zhu
“A Task Allocation Algorithm in Multi-agent System via Auction”
Accepted ROSENET 2018: 2nd EAI International Conference on Robotic Sensor Networks
- **Jieke Shi**, Junwu Zhu, Zhou Yang & Bin Li
“A Real-time Decentralized Algorithm for Task Scheduling in Multi-agent System with Continuous Damage”
Published in Applied Soft Computing (SCI IF 3.907)
- **Jieke Shi**, Zhou Yang & Junwu Zhu
“An Auction-based Rescue Task Scheduling Approach for Heterogeneous Multi-robot System”
Published in Multimedia Tools and Applications (SCI IF 1.541, CCF C)
- **Jieke Shi**, Zhou Yang & Junwu Zhu
“Task Scheduling: A Decentralized Negotiation Method via GGP”
Accepted by ISAIR 2019: IEEE 4th International Symposium on Artificial Intelligence and Robotics
- Yi Jiang, Jinjin Wang, **Jieke Shi**, Junwu Zhu & Ling Teng
“Network-aware virtual machine migration based on gene aggregation genetic algorithm”
Accepted by Mobile Networks & Applications (SCI IF 2.390, CCF C)
- Junwu Zhu, Ling Teng, Bin Li, **Jieke Shi** & Huimin Lu
“Ontology Negotiation: Knowledge Interchange between Distributed Ontologies through Agent Negotiation”
Accepted by Concurrency and Computation: Practice and Experience (SCI IF 1.167, CCF C)
- **Jieke Shi**, Yi Jiang, Junwu Zhu & Xiangrui Kong
“A Fictitious Play Approach to Model Dynamic Personality in Swarm Agent System”
Accepted by ISAIR 2020: IEEE 5th International Symposium on Artificial Intelligence and Robotics

- and 2 more co-authored papers

🔗 Professional Skills

Programing language: Python, Java, \LaTeX , C/C++, Matlab.
Theoretical knowledge: Algorithmic Game Theory, Reinforcement Learning, etc.
(Learning online courses from **Coursera**, **XuetangX**, etc.)
All courses of undergraduates majoring in Electronic Information Engineering and Computer Science

🗣️ Language Proficiency

Chinese: Native
English: ➤ CET- 4 score: 582
➤ CET- 6 score: 532
➤ IELTS : 6.0

🏆 Awards & Scholarships

- 2020 ➤ Outstanding Graduate
- 2019 ➤ Second Prize, 9th The Contest of Lanqiao Cup (a national algorithm contest)
➤ Second Prize, 14th NXP Cup National Intelligent Car Race
➤ Successful Participant, COMAP's Mathematical Contest in Modeling (MCM) & The Inter-disciplinary Contest in Modeling (ICM) 2019
➤ National Encouragement Scholarship
- 2018 ➤ The First Level President Scholarship (Awarded to top 1 student in class)
➤ Second Prize, 8th MathorCup Challenge Competition in Mathematical Modeling
➤ First Prize, 10th Challenge Cup Academic and Technology Works Competition of Yangzhou University
- 2017 ➤ The First Level President Scholarship (Awarded to top 1 student in class)
➤ Excellent Student of Yangzhou University, etc.

📁 Professional Activities

- 2019 ➤ Attend CSCW & Social Computing Summer School at Shanghai Fudan University
➤ Attend CCF Conference on Artificial Intelligence 2019.
➤ Travel to Porto, Portugal, to attend CSCWD Collaborative Computing Conference and make a oral presentation.
- 2018 ➤ Travel to to Kyushu Institute of Technology (Japan) for oral presentation as a representative of excellent students sponsored by my university.
➤ Served as a research tutor for junior students majoring in Electronic Engineering in a scientific research competition for 3 months.
➤ Served as Chairman of College Student News Agency of Yangzhou University, responsible for editing of the magazine of the College League Committee.