

Xu (Arthur) Wang

College of Communication Engineering, Jilin University, Changchun, Jilin, 130000, China

Mails:wangxu2020@mails.jlu.edu.cn

Education

Jilin University, Changchun, China,

Sept. 2020 – June 2024

B.S. Information Engineering

➤ **Major GPA: 3.8/4.0 (WES)**

➤ Major Courses: Advanced Mathematics; Circuit Analysis; Programming; Principles of Communication; Digital Signals; Digital Image Processing

Tsinghua TEEP&X-institute, Shenzhen, China

July. 2021 – June 2024

Biology and Information Direction

Study Tour

Peking University Institute of Frontier Interdisciplinary Studies Summer Camp (2021.6)

Tsinghua University Structural Biology Summer Camp (2021.7)

Nanyang Technological University (NTU) Business AI Lab Internship (2022.1-2022.2) Supervised by Prof. Teoh Teik Toe

Oxford Machine Learning Summer School OxML 2022 (2022.7)

NASA/BMSIS YSP (Young Scientist Program) (2022.7-2022.9)

Research Experience

- China National Student Innovation and Entrepreneurship Training Program **(National level)** May 2022– June 2023 (Project leader) Evolutionary fitness; Flowchart evolution; Deep mutation scanning
- Chinese Academy of Sciences Innovation and Practice Training Program for Undergraduates June 2021 – June 2022 (Project leader) Medical diagnostics; Speech recognition; Knowledge graphs
- Wang, X.*, Zhang, H., Liu, Z., He, R., & Wang, Z. (2021, December). Intelligent Medical System of Unmanned Pharmacy Based on Internet Plus. In 2021 International Conference on Networking, Communications and Information Technology (NetCIT) (87-91). IEEE. **(EI; First author)**
- Wang, X.* (2022). The analysis and re-optimization of food systems by using intelligent optimization algorithms and machine learning. All Life, 15(1), 656-677. **(SCI; First author) JCR 4**
- Wang, X., Wang, C.*, Zhang, H., et al. Segmented parabolic adjustment of the FAST reflector based on spatial coordinate rotation transformation. Scientific Reports. **(SCI; First author) JCR 2**
- Xu Wang*, Zijin Luo, Rui He, Yixin Shao (2023) Novel Medical Question and Answer System: Graph Convolutional Neural Network Based with Knowledge Graph Optimization, Expert Systems with Applications, 120211, ISSN 0957-4174, <https://doi.org/10.1016/j.eswa.2023.120211>. **(SCI; First author) JCR1 top**
Reviewer for IEEE Access/ISA transactions

Academic Competition

- National Student Mathematical Modelling Competition, **First Prize** in Jilin Province (2021.9)
- National University Mathematics Competition **Third prize & Second Prize** in Jilin Province (2021.11)
- National Student Life Science Competition, National Second Prize (Team leader) (2022.9)
- International Genetically Engineered Machine competition (**iGEM**) (2022.10)
International Gold Medal (As team leader of JLU_China)
- The 8th China Internet Plus Student Innovation and Entrepreneurship **National Bronze Medal** (2022.12)

SKILLS & INTERESTS

- Language skills: Mandarin (native)
- Proficient in NetLogo, C/C++, Matlab, Python, Linux, MS Office, Colab, Spss, MEGA, Xshell
- Enjoy: Table tennis, Sudoku, Chaos Mathematics, Synthetic Biology, History and Humanities