

# YIJIE WANG

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## EDUCATION

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**School of Life Sciences, Tsinghua University**  
Pre-Medical Education

*Sep. 2021 - Jan. 2024*  
Overall GPA: 3.75/4.00

**SEM, Tsinghua University**  
Minor in Economics and Finance

*Sep. 2022 - Jan. 2024*

**Peking Union Medical College**  
Major in Clinical Medicine (M.D. expected 2029)

*Feb. 2024 - Present*

## SKILLS

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**Programming**    R, Python, L<sup>A</sup>T<sub>E</sub>X

**Language**        Chinese (native), English (CET6 616)  
Beginner-Level: Spanish, Russian, Japanese

## RELEVANT COURSES

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**Courses of Statistics and Data Science:** Multivariate Statistical Analysis (A-), Linear Regression Analysis (A), Introduction to Causal Inference (A-), Statistical Computing and Software (A-), Introduction to Nonparametric Statistics (A-), Logistic Regression (A), Introduction to Data Science (A-), Applied Time Series Analysis (ongoing), Introduction to Bayesian Statistics (ongoing)

**Courses of Biomedicine:** Organic Chemistry B (A+), Inorganic and Analytical Chemistry (A), Physical Chemistry (A-), General Biology (A-), Biochemistry (2) (A-), Drug Toxicology (A+), Developmental Biology (B+)

**Courses of Economics:** International Economics (A), Health Economics (A), Public Finance (A), Intermediate Microeconomics (A), Intermediate Macroeconomics (A-), Political Economy (A)

**Courses of Finance and Accounting:** Accounting Principles (A-), Corporate Finance (A-), Investment (A), Financial Derivatives (A-), Risk Management and Insurance (B+)

## RESEARCH EXPERIENCE

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**Gene-Level GWAS Based on DNN and Knockoff**

*Sep. 2024 - Present*

*Supervised by Prof. Shiyang Ma*

*School of Medicine, SJTU*

We aim to develop a gene-level detection method capable of capturing non-linear effects by incorporating deep neural networks. The knockoff method is used for effective control of false discovery rate. We're now conducting simulation experiments.

## HONORS & AWARDS

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First Prize, China Chemistry Olympiad (Pre. Round), Jiangsu Region

*Sep. 2020*