

Liu Caoyi

Location: Wuhan, Hubei Province, China

Email: cylu.math@whu.edu.cn | Mobile: 86+15851661718

PERSONAL PROFILE

I am currently an undergraduate student of the School of Mathematics and Statistics, **Wuhan University(WHU)**. I have taken part in China's "Strengthening Basic Disciplines Plans" and achieved success in various courses, with a **GPA of 3.88 / 4.00** and **ranking 2/21** during the 2021-2022 academic year.

Dedicated to numerical analysis and optimization, I have taken a variety of fundamental courses, including Mathematical, Real, Complex, Numerical, Functional Analysis; Linear and Numerical Linear Algebra; ODE, PDE; Multi-scale Modelling and Numerical Methods for Partial Differential Equations. Additionally, I have obtained an English Proficiency of **IELTS 7.0**.

EDUCATION

Wuhan University(WHU)

Bachelor of Science in Mathematics

Wuhan, Hubei Province, China

Sep 2020 – Present

EXPERIENCE

President of the Students' Union

May 2022 – Present

School of Mathematics and Statistics | Wuhan University

- collect students' suggestions and confusions and conduct "**Leadership Reception Day**" to solve problems through the discussion between students and teachers
- hold **Academic Discussion Classes** on Fourier, Numerical Analysis and so on under teachers' guidance
- hold entertainment activities including concerts and drama competitions

Leader of the Social Practice Team: Mathematical Modeling and Finance

Jul 2022– Aug 2022

School of Mathematics and Statistics | Wuhan University

- contact excellent alumni and hold speeches about the market and the application of mathematics
- complete the practice reports

Summer Research Program at HKUST

Jul 3th 2023– Aug 4th 2023

Hong Kong University of Science and Technology

- read essays about numerical solutions of gradient flow equations and learn a deep understanding of the physical laws behind equations, Wasserstein metrics, JKO scheme Primal-dual methods for convex optimization and so on

AWARDS & HONORS

S.-T.Yau College Student Mathematics Contests: Prize for excellence in Computational and Applied Mathematics

2023

The Chinese Mathematics Competitions: Second Prize

2022

It is the biggest Mathematics competition in China.

Summer Social Practice Competitions in the School of Mathematics: Second Prize

2022

Huang Xunteng Scholarship

2022

Only the students whose grades rank within top 5 in my major could be awarded with it.

Honor of Merit Student

2021 and 2022

I was awarded with it for my grades and commitments in the Students' Union.

National Scholarship of China

2021

Only about 1 percent of the WHU students could be awarded with it.

WHU Scholarship for Excellent Students: First Prize

2021

I was awarded with it because my grade ranked first in my class.

SPECIALIZED SKILLS

Programming Languages: Matlab, C, Latex

Others:PS, SPSS