

MA CUN

Honours College, Capital Normal University, P.R. China
+86 18518760600 | e: cunma2000@gmail.com

EDUCATION

Capital Normal University (CNU)

Major: Mathematics and Applied Mathematics

- Average Score: 86.1/100

Minor: STEAM Teacher's Education

- Average Score: 92.2/100

Beijing, China

Sep 2019 – Jul 2023

South China Normal University (SCNU)

Exchange Program: Mathematics and Applied Mathematics

Guangzhou, China

Sep 2021 – Jul 2022

The University of Hong Kong (HKU)

Summer School Program: Virtual Worlds, Real Bodies (B+)

Hong Kong, China

Jul 2021 – Aug 2021

Peking University (PKU)

Summer School Program: Innovative Engineering Practice (Summer Internship Course) (86/100)

Beijing, China

Jul 2021 – Jul 2021

PUBLICATIONS

1. Cun Ma*(2022), The Relationship Between Education Expenditure And College Enrollment Rate, *2022 3rd International Conference on Education Development and Studies (ICEDS ' 22)*, 134-140.
2. Cun Ma, Editorial Board Member. STEM Education in Digital Transformation in Li,jia. Yuan,ye.(Eds), (in Chinese), 2023, Beijing: Educational Sciences Publishing House.

RESEARCH EXPERIENCE

Research on the cognitive properties and class construction of quadratic functions

Beijing, China

Undergraduate thesis, Supervised by Professor Zhao Xuezhi

Oct 2022 – Apr 2023

- Based on Kikumi K. Tatsuoka's theory, Taking 10 students as samples, the corresponding Q matrix is established.
- Clear the future research direction - cognitive field by delving deeper into related research

A Study on How to Strengthen The Social Linkage Mechanism to Promote The Development of STEAM Education In Primary Schools

Beijing, China

Project Leader, Supervised by Professor Jiao Baocong

Oct 2020 – Apr 2022

- Focused on STEAM educational development and carried out research focusing on mathematics education
- Carried out a large-scale questionnaire survey, and completed the basic survey and thesis writing

Evaluation of The Impact of Covid-19 on China's Economy

Beijing, China

One of the Main Principals, National level, Supervised by Associate Professor Zhou Jie

Dec 2020 – Apr 2022

- Used financial models to study applied mathematical issues & Utilized STATA for PVAR model analysis
- Predicted the economic development in recent 10 years, to analyze the impact of the epidemic on the economy

Analysis and Optimal Portfolio in Securities and Financial Derivatives

Beijing, China

Project Leader, Supervised by Professor Jiu Quansen

Apr 2021 – Dec 2022

- Familiarized myself with the financial mathematical model and studied the optimal portfolio issues

Investigation Research on Influencing Factors of The Realization of Personal Planning of College Students - Taking Capital Normal University as an Example

Beijing, China

Project Leader, Supervised by Assistant Research Fellow Luo Ruichang

May 2021 – Mar 2022

- Won the second prize of 2021 Special Project on Improving the Comprehensive Qualities of College Students

Research on the Mechanism of Enterprise ESG Investment in the Post Epidemic Era

Beijing, China

Participant, Supervised by Chen Fangfang

Nov 2020 – Oct 2021

- Win the first prize of the 10th "Great Vision • Micro Observation" Social Research of Capital Normal University

COURSE DESIGN

Project-based Learning Curriculum of Artificial Intelligence in Junior Middle School

Beijing, China

Participant, Supervised by Professor Fang Haiguang

Oct 2020 – Apr 2022

- Course Design First prize of CNU (team)
- Designed 8 artificial intelligence courses, in-depth artificial intelligence education
- The main single board used: Arduinio UNO、Raspberry Pi

Topology Market: Topological science Series course -12 lessons

R&d team leader, Supervised by Laboratory technician Li Yating

Beijing, China

Mar 2022 – Present

- Attracted over 8,000 attendees from hundreds of primary and secondary schools
- We are organizing to make popular science picture books and have obtained project fund.

WORKING EXPERIENCE**Hebei Anguo No.1 Senior High School (full-time)**

Mathematics Teacher for Grade 10

Baoding, China

Feb 2023 – present

- Outstanding Young Teacher of 2023 in Hebei Anguo No.1 Senior High School
- Outstanding teaching performance, the class results ranked first in the group.(1/6)
- Completed the teaching of compulsory mathematics textbook 2 and the preview of optional compulsory Textbook 1.
- Participated in the collective lesson preparation 54 times to ensure the class quality
- Grasped the learning situation of students and specified phased goals in the unit of months

The Affiliated High School of South China Normal University (High School Department)

Mathematics Intern Teacher for Grade 11

Guangzhou, China

Mar 2022 – July 2022

- Responsible for the tutoring work of students' mathematics, and made corresponding corrections and explanations.
- Systematically combed: analytical geometry; series of numbers; trigonometric functions; quadratic functions.
- The average score of the class has improved by 6 points

Laboratory of Mathematics Education Technology Application and Innovation Research Center of The Ministry of Education

Intern

Beijing, China

Apr 2021 – June 2021

- Participated in the production of VR teaching materials for junior middle school mathematics
- Responsible for the training of primary and secondary school teachers in the production of VR teaching materials
- Our team has completed the training of more than 30 primary and secondary school teachers

SELECTED AWARDS AND HONORS

- Outstanding Young Teacher of 2023 in Hebei Anguo No.1 Senior High School May2023
- Outstanding graduate of Capital Normal University Jun 2023
- Capital Normal University Youth Role Model (Nominated Award) Mar 2023
- Hu Min First Class Scholarship awarded by CNU Oct 2022
- First Class Scholarship awarded by CNU Sep 2022
- Volunteer Star of Beijing Winter Olympic Organizing Committee awarded by Volunteer Department of Beijing Winter Olympic Organizing Committee Headquarter Mar 2022
- Hu Min Third Class Scholarship awarded by CNU Oct 2021
- Third Class Scholarship awarded by CNU Sep 2021
- Excellent Head of College Student Union awarded by Honours College of CNU July 2021
- May 4th Commendation - Outstanding Academic Cadre awarded by Communist Youth League Capital Normal University Committee May 2021
- Outstanding Anti-epidemic Volunteer in Anguo City, Hebei Province awarded by Anguo Municipal Committee of the Communist Youth League Feb 2021
- Hu Min - Overseas Study Tour Scholarship awarded by CNU (1/10) Oct 2020
- First Class Scholarship awarded by CNU (1/20) Sep 2020
- Freshman Cultivation Award - Excellent Class Cadre awarded by Department of Basic Education, Liangxiang Campus of CNU June 2020

EXTRACURRICULAR EXPERIENCE

- Volunteer of Organizing Committee of Beijing 2022 Winter Olympic and Paralympic Games Jan 2022-Mar 2022
- Community Anti-epidemic Volunteer of Nanma Village, Anguo City, Hebei Province Jan2021-Mar 2021
- Group leader of Dandelion Charity Volunteer Organization Sep 2019 - July 2023
- Deputy Head of the Grade of 2019, School of Mathematical Sciences Sep 2021 - July 2022
- Office manager of Blank Studio Sep 2020 - July 2021
- Head of Living Rights Department of College Student Union Sep 2020 - July 2021
- Class Monitor Sep 2019 - July 2023

ADDITIONAL SKILLS**Additional Professional and Extracurricular Experiences**

- Computer: Office Software, Python, R Language, STATA
- Language: English (Fluent), Chinese (Native)
- Interests: Badminton, Tennis, Traveling