

GUANGSHENG CHENG

Wuhan City, Hubei Province
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EDUCATION

Huazhong University of Science and Technology 'Project 985'

2021-Present

Major in the School of Mathematics and Statistics

Courses with Distinction: Mathematical Analysis (98) Ordinary Differential Equations (98) Advanced Algebra (97) Real Analysis (97) Complex Analysis (94) Algebra (98) Probability Theory (89) Partial Differential Equations (100) Mathematical Statistics (99) Topology (99) Numerical Analysis (97)

Overall Score: 90/100 GPA:4.37/5 rank:1/20

EXPERIENCE

Bridger Investment Partner

2024.6 -Present

Quantitative Analyst

- **U.S. Housing Market Research and Forecast:** Conduct in-depth analysis of U.S. real estate market trends. Utilize data models and statistical methods to identify key variables influencing market fluctuations and provide forecasts to guide investment decisions.
- **Credit Risk Assessment:** Perform credit risk evaluation based on loan information, with a focus on assessing borrowers' behavior, especially the likelihood of prepayment, to optimize risk management in the MBS portfolio.

EXPERIENCE

Global competition IDASH competition

2023.06-2023.09

Responsible for building models for plaintext computing

- Collaborating with Tencent to participate in the IDASH competition for the highest specification of global privacy encryption

The Mathematics JIA Program ,Professor Zhang Qing

2023.02 - Present

Participate in discussion classes

- Algebra by Michael Artin,2022.09-2023.08
- Other Seminar:Fourier analysis by Stein, 2022.09-2022.12

National level college student innovation and entrepreneurship project

2022.02-2023.03

Responsible for mathematical modeling and driving project progress

- As the team leader, I led the national level innovation project "Research on the Effect of Stents on Hemodynamics of Abdominal Aortic Aneurysms Based on Lattice Boltzmann Method",Guidance Teacher: Shi Baochang

Poverty return warning

2023.12-present

- Participate in the construction of a poverty warning model for the School of Management

Students work

2022.9-2023.12

- Chairman of the Student Union of the School of Mathematics and Statistics.Captain of the table tennis team.

HONORS & AWARDS

National Scholarship	October 2023
School's Three Good Students	September 2023
School's Three Good Students	September 2022
Samsung Scholarship	November 2023
2nd place in IDASH Global Privacy Encryption Competition	October 2023
Third Prize in National College Student Mathematics	January 2023
Social Welfare Scholarship	April 2022
Cultural and Sports Scholarship	April 2022

SKILLS & INTERESTS

Computer Languages	Python, Matlab
Interests	Machine learning (theory), deep learning, data-driven methods, statistical learning algorithms,con