

## Qiang Hu

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### EDUCATION

Southern University of Science and Technology, ShenZhen, China

Sep. 2021-Present

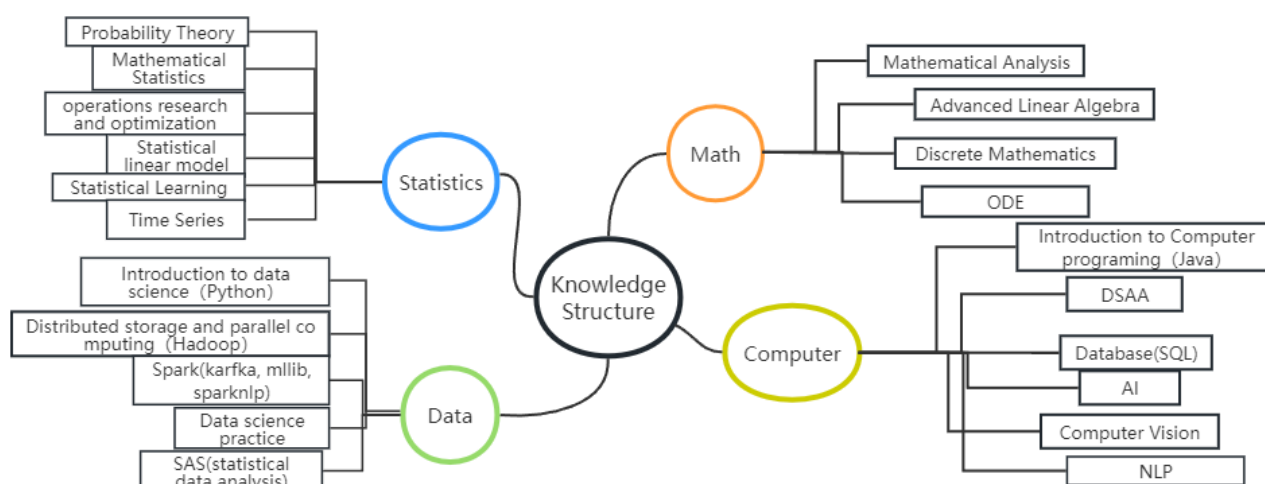
BS in Data Science and Big Data Technology (*Department of [STAT-DS](#)*)

Expected in June 2025

GPA: **3.93/4.00**(1/53)

Research Interests: Trustworthy AI, LLMs, Efficient AI

### KNOWLEDGE BACKGROUND



### RESEARCH EXPERIENCE

Intern in Machine Learning Group of [Hongxin Wei](#), Southern University of Science and Technology

Jul 2023-Present

**Vulnerability Disparity Against MIA,**

Jul 2023-Mar 2024

*Independent Research*

- Found an efficient way to distinguish instances with different levels of vulnerability in MIA scenarios;
- Tried some relief methods, including reweighting, kde-flattening, etc.

**Top-k ICL for Content Risk Control** (A collaborative project with [Deepexi](#)), Mar 2024-Jul 2024

*Research Assistant*

- Implemented ICL for Content Risk Control;
- Established a [benchmark](#) for large model risk control in domestic scenarios, including building data sets with crawlers (from Twitter, etc).

**[Defending Membership Inference Attacks via Privacy-aware Sparsity Tuning](#)**, Jul 2024-Oct 2024

*Co-first Author*

- Proposed a state-of-the-art empirical defense method against membership inference attacks, leveraging model sparsification techniques.

### ACTIVITIES & AWARDS

Provincial(HuNan) first prize in CPhO 2020(Chinese Physics Olympiad) Oct. 2020

The Second Prize Scholarship, Southern University of Science and Technology 2022, 2023

Provincial(GuangDong) third award in CUMCM 2022

(China Undergraduate Mathematical Contest in Modeling) Sep. 2022

Provincial(GuangDong) second award in CMC 2023(Chinese Mathematics Competitions) Oct. 2023

Outstanding Volunteer of the School of Science 2023

### LANGUAGES & SKILLS

Languages: Mandarin (Native), English (TOEFL iBT: [85](#))

Programming Languages: Python, Bash, SQL, R, SAS, Spark(including kafka&Ray), Java, Matlab;



Transcript of Academic Record

Family Name: Hu Student ID: 12111214 Residential College: Zhicheng College  
Given Name: Qiang Date of Enrollment: 22/08/2021 Department: Department of Statistics and Data Science  
Gender: Male Duration: 4years Program: Data Science and Big Data Technology  
Date of Birth: 28/05/2004 Date of Graduation: 2025.06.30 ID No.: 431103200405280074  
Now: in campus

Course	Credit	Letter Grade	Pct Grade	Categ	Course	Credit	Letter Grade	Pct Grade	Categ
Academic Year2021-2022 Fall Semester									
Military Theory	2	P	P	GR	Military Skills	2	P	P	GR
General Physics A (I)	5	A+	97	GR	Experiments of Fundamental Physics	2	B	86	GR
The Basic Principles of Marxism	2	A+	98	GR	SUSTech English II	4	A-	91	GR
Advanced Linear Algebra I	4	A+	99	GR	Mathematical Analysis I	5	B+	87	GR
Writing and Communication Skills	2	P	P	GR	Practice Course of the Basic Principles of Marxism	1	P	P	GR
Physical Education I	1	A	95	GR	*****				
Academic Year2021-2022 Spring Semester									
Practice Course of Brief History of Modern China	1	P	P	EC	Mathematical Analysis II (H)	5	A+	97	GR
Physical Education II	1	A+	100	GR	Introduction to Engineering	2	P	P	GE
General Physics B (II)	4	A	96	GR	SUSTech English III	4	A-	92	GR
Advanced Linear Algebra II (H)	4	A	93	ME	Fundamentals of Electric Circuits	2	A+	97	GE
Practice Course of Morality and Rule of Law	1	P	P	GR	Introduction to Computer Programming A	3	A+	100	GR
Academic Year2021-2022 Summer Semester									
Introduction to Integrative System Design	4	A-	91	GE	*****				
Academic Year2022-2023 Fall Semester									
The Outline of Modern and Contemporary History of China	2	A	93	GR	Immunity and Health	2	P	P	GE
TOEFL Preparation	0	P	P	GE	Introduction to Data Science	3	A+	97	ME
Data Structures and Algorithm Analysis B	3	A+	99	MR	Principles of Database Systems	3	A	95	ME
Mathematical Analysis III	5	A	96	MR	English for Academic Purposes	2	A-	92	GR
Probability Theory	4	A+	98	MR	Physical Education III	1	A+	98	GR
Academic Year2022-2023 Spring Semester									
Operational Research and Optimization	3	A	95	MR	Popular Music Appreciation and Performance	2	A-	91	GE
Situation and Policy	2	A+	97	GR	Elementary Spanish	2	P	P	GE

Date of Issue: July 9, 2024

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Physical Education IV	1	A	95	GR	Computer Vision	3	A+	97	GE
Discrete Mathematics	3	A+	99	MR	Ordinary Differential Equations A	4	A	94	ME
Mathematical Statistics	3	A+	99	MR	*****				
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Academic Year 2023-2024 Fall Semester									
Flower Arrangement Skills	1	P	P	GE	Distributed Storage and Parallel Computing	3	A	93	MR
Physical Education V	0	B+	88	GR	Peckce Course of Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics	2	P	P	EC
An Introduction to Western Philosophy	2	A	93	GE	Time Series Analysis	3	A-	90	ME
Statistical Linear Models	3	A	94	MR	Artificial Intelligence B	3	A-	91	MR
Morality and Rule of Law	2	A	96	GR	Advanced natural language processing	3	A	95	GE
Statistical Learning	3	A+	99	MR	*****				
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Academic Year 2023-2024 Spring Semester									
Research Projects	2	P	P	EC	Multivariate Statistical Analysis	3	A	94	MR
Data Science Practice	3	A	96	MR	Statistical Data Analysis with SAS	3	A	94	MR
Colors and Cultures of the Arab World	2	P	P	GE	Mao Zedong Thought and Introduction to the Theoretical System of Socialism with Chinese Characteristics	3	A+	97	GR
Introduction to Earth Sciences	3	A	93	GR	Physical Education VI	0	A	96	GR
Big Data Analysis Software and Application (Hadoop or Spark)	3	A	93	MR	*****				

Credits Achieved: 156 ( credits required for graduation: 141 ) Grade Point Average: 3.93  
Student Ranking: 1/50 Weighted Average Score: 94.81