

Zhengyang Li

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EDUCATIONAL BACKGROUND

Wuhan University of Technology

06/2021 - present

School of Computer Science and Artificial Intelligence

Computer Science & Technology

GPA of compulsory course: 4.321/5 | **GPA of all courses:** 4.260/5

Grade Ranking: 7/205 (3.41%) | **Class Ranking:** 1/35 (2.86%)

Key Courses: Computer Organization and System Structure (94.61), Operating System (94.95), Principles of Compiler (99.4), Algorithm Design and Analysis (92.8), Principles of Database System (92.9), Probability and Mathematical Statistics (99)

RESEARCH & PROJECT EXPERIENCES

Research on Computer Vision: Visual inspection of thin film panels

Wuhan, Hubei

Researcher, supervised by Professor Li Yuqiang

03/2024 - present

- Design efficient and high-precision detection algorithm and software to detect thin-film panel defects.
- The use of "block detection" has achieved more accurate result.
- Conduct statistical analysis and evaluation of the developed software, comparing its performance against existing methods and validating its effectiveness in detecting various types of defects.

Graduation Internship School Bus Scheduling System

Wuhan, Hubei

Developer, supervised by Professor Zhao Dongdong

12/2023 - 01/2024

- Responsible for the implementation of the link between front-end and back-end.
- Used SQL statements to perform database operations such as adding, deleting, modifying, and querying.
- Implemented stored procedures, triggers, indexes, database backup and recovery, as well as concurrency control.

A Semantic Intelligent Recognition System for Ship Behavior

Wuhan, Hubei

Developer, supervised by Professor Wen Yuanqiao

03/2023 - 06/2023

- Designed algorithms in the project team, repairing trajectory anomalies in AIS data.
- Solved problems such as speed and heading errors, data drift, and uneven intervals in AIS data.
- Prepared and documented development documentation outlining the design and implementation of the system.

HONOURS AND AWARDS

05/2024, Finalist Achievement in Mathematical Contest in Modeling

05/2024, Third Place in Market Research Competition

12/2023, Second Place in Mathematics competition of Chinese College Students

11/2023, First Place in China Undergraduate Mathematical Contest in Modeling of Hubei Province

11/2023, Second-class Scholarship awarded by Wuhan University of Technology

11/2023, Leader of Merit student awarded by Wuhan University of Technology
06/2023, First Place in Chinese Collegiate Computing Competition of South-Central China
05/2023, Second Place in Huazhong Cup Mathematics Modeling Contest
05/2023, Excellent League Member awarded by Wuhan University of Technology
11/2022, Merit student awarded by Wuhan University of Technology
11/2022, First-class Scholarship awarded by Wuhan University of Technology

LANGUAGE SKILLS

03/2023, English: CET-6: 606
01/2023, Japanese: JLPT-N2: 113
08/2022, English: CET-4: 612

ADDITIONAL SKILLS & ACHIVEMENTS

- Programming languages and data analysis: C/C++, C#, Java, Python, MATLAB, SPSS
- Website development and C++ based software development
- Basic machine learning and deep learning in statistical analysis, data mining, Natural Language Processing and Computer Vision
- Future Planning and interests: Human-computer interaction, Artificial intelligence, Visualization, Computer Vision.



武汉理工大学

WUHAN UNIVERSITY OF TECHNOLOGY

Undergraduate Transcript

School: School of Computer and Artificial Intelligence

Major: Computer Science & Technology

Years of Study: 4-Years

Admission Date: 202109

Student ID: 0122109361101

Name: LiZhengYang

Course Title	Type	Credit	Score	Course Title	Type	Credit	Score	Course Title	Type	Credit	Score
1st Term, Academic Year 2021-2022				College Physics	CC	5	95.75	Introduction to Software Engineering	EC	2.5	92.09
Advanced Mathematics A	CC	4.5	95.8	High Level Language Programming	CC	3.5	93	Assembly Language Programming	EC	2.5	83.7
Introduction to Specialty	EC	1	92	Introduction to Mao Zedong Thought and Socialism with Chinese Characteristics	CC	2	92	Analysis Software Tools	EC	2	79.4
Physical Education	CC	1	81.4	Introduction of Major and Innovation and Entrepreneurship	PC	1	95	Machine Learning and Data Mining	EC	3	91.6
Outline of Contemporary and Modern Chinese History	CC	2.5	93	Introduction to JAVA Programming	EC	2.5	92.8	End of Transcript			
Linear Algebra	CC	2.5	89.1	Data Structure	CC	4	85.7				
Military Skills Training	CC	2	85	2nd Term, Academic Year 2022-2023							
College English	CC	2	91.2	Discrete Structures	CC	3.5	90.5				
Foundations of C Language Programming A	EC	2	100	Artificial Intelligence	EC	2	83.56				
Comprehensive Experiments of Foundation of Computer and C Language Programming A	EC	1	100	Experiments on Programming	CC	1	95				
2nd Term, Academic Year 2021-2022				Course Design of Computer Organization	PC	1	95				
Elementary Tennis	CC	1	90.7	Communication Principles	EC	2.5	84.6				
College English	CC	2	93.6	Career Planning and Development of Students	EC	2	95.1				
Music Appreciation	EC	2	93	Lecture of Computer Subject Frontier	PC	1	95				
Positive Psychology	EC	1	99	Advanced English (IELTS)	CC	2	98.15				
Oral Japanese and Japanese Culture	EC	2	97.2	Algorithm Design and Analysis	CC	2	92.8				
Circuit Principle B	EC	2	90.6	Love Psychology	EC	1.5	89.2				
Electric Circuits B Exp	EC	0.5	91	Experiments on Data Structure and Algorithm	CC	1	95				
Basic Japanese	EC	4	96.3	Marxism Philosophy	CC	2.5	91				
Object-Oriented Programming	CC	2.5	95.5	Python Programming	EC	2	95.7				
Morality and the rule of law	CC	2.5	92	Principles of Database System	CC	3.5	92.9				
Advanced Mathematics A	CC	5.5	95.45	Computer Organization and System Structure	CC	4.5	94.61				
Military Theory	CC	2	89	Elementary Softball	CC	1	90.9				
1st Term, Academic Year 2022-2023				1st Term, Academic Year 2023-2024							
Advanced English (IELTS)	CC	2	97.58	Project of Compiler Principles	PC	1	95				
Guide to Innovation and Entrepreneurship	PC	2	95	Networks, Crowds and Markets	EC	2	93.4				
Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	CC	2.5	85	Secrets of English Vocabulary	EC	2	93.8				
Computer Numerical Analysis	CC	2.5	94.6	Information Security	EC	2	79.2				
Elementary Volleyball	CC	1	89	Operating System	CC	3.5	94.95				
Digital Logic	CC	3	97.5	Principles of Compiler	CC	3.5	99.4				
Probability and Mathematical Statistics	CC	3	99	Course Design of Operating System	PC	1	95				
Introduction to Computer Science	CC	2	86.4	Experiments on Database System	CC	1	95.58				
Total Credits Required: 160		Total Credits: 140.5		Including	Compulsory Course: 89.5		Practice Course: 7		Elective Course: 44		Sum: 4.260



Undergraduate School

Date: May06, 2024

CC=Compulsory Course; PC=Practice Course; EC=Elective Course;



**Ranking and Average Score Certificate of Computer Science and Technology in the
School of Computer and Artificial Intelligence, Wuhan University of Technology**

This is to certify that the student, Zhengyang Li, student ID: 0122109361101, studying Computer Science and Technology in the School of Computer and Artificial Intelligence. The GPA for compulsory courses during the first to fifth semesters is 4.321 (as of March 27, 2024), ranking 7th out of 205 students majoring in Computer Science and Technology at the 2021 level, with a ranking percentage of 3.41%. The GPA of all courses during the first to fifth semesters is 4.260 (as of May 06, 2024), corresponding to the hundred-mark system of 92.60 and the grading scheme of A.

The information above is true, and this is hereby certified!


School of Computer and Artificial Intelligence
Wuhan University of Technology
May 13, 2024